

Color and Material Schedule

Project Address: 591 Lafond

Contractor:

	Location	Description	Manufacturer	Finish	Color	Notes
Lighting	Front Entry	Flushmount Ceiling (1 bulb)	Progress lighting, Mater, 1-light flushmount, P3910-09		Nickel	
	Living	Flushmount Ceiling	Progress lighting, Mater, 2-light flushmount, P3911-09		Nickel	
	Dining Room	3-Light Chandelier	Progress lighting, Markor, P5199-09 light, P8823-01 shade		Nickel / Beige	
	Den	Flushmount Ceiling (1 bulb)	Progress lighting, Mater, 1-light flushmount, P3910-09		Nickel	
	Kitchen at sink	Flushmount Ceiling (1 bulb)	Progress lighting, Mater, 1-light flushmount, P3910-09		Nickel	
	Kitchen	Small Pendant	Progress lighting, Markor, P5198-09 light, P8821-01 shade		Nickel / Beige	
	Kitchen	Flushmount Ceiling	Progress lighting, Mater, 2-light flushmount, P3911-09		Nickel	
	Kitchen	Undercabinet	24" fluorescent		White	
	Bathroom 1	2-Light Vanity	Progress lighting, Mater, 2-light vanity, P7025-09EB		Nickel	
	Bedrooms, 1-4	Flushmount Ceiling	Progress lighting, Mater, 2-light flushmount, P3911-09		Nickel	
	Bedroom closets 1 & 4	1-light-Flushmount	Progress lighting, Mater, 1-light flushmount, P3910-09		Nickel	
	Hall	1-light-Flushmount	Progress lighting, Mater, 1-light flushmount, P3910-09		Nickel	
	Bathrooms 2-3	2-Light Vanity	Progress lighting, Mater, 2-light vanity, P7025-09EB		Nickel	
	Basement Stair top & landing	1-light-Flushmount	Progress lighting, Mater, 1-light flushmount, P3910-09		Nickel	
	Basement utility	Ceramic base lamp (switched, no pull chain)			White	
	Garage	Motion Detector Sconce Light	Dual White, SL-5318-WH-D		White	
	Front Entry Porch	Recessed Can	Rated for damp locations, CFL		white	
	Rear Entry Porch	Recessed Can	Rated for damp locations, CFL		white	
	Outlet and Switchplate Covers				White	
Plumbing Fixtures	Kitchen	Kitchen Faucet	Moen, Bronze Model: 7825		Chrome	at Menards
	Kitchen	Kitchen Sink	Moen, 33"X22"X8" Model 2212		Stainless	at Menards
	Bathroom (2)	Bathroom Faucet	Moen, High Arc CA84003BRB		Chrome	at Menards
	Bathroom (2)	Recessed Oval Bowl Vanity Top	Imperial Marble, RCxx22SPV		White	at Menards
	Bathroom (2)	Shower Valve, tub spout & head	Moen, 82008CBN		Chrome	at Menards
Casework and Furnishings	Kitchen	Kitchen Cabinets	Midcontinent, full overlay 5-panel door, flat drawer	Oak	Chestnut	
	Kitchen	Kitchen Cabinet Hardware	Scrhook, all drawers and doors, H63		Nickel	at Menards or Home Depot
	Kitchen	Kitchen Counter Top	WilsonArt, Canyon Black, 1755-1		Canyon Black	at Menards
	Bathroom 1 & 2	Bathroom Vanity	Midcontinent, full overlay 5-panel door, flat drawer	Oak	Chestnut	
	Bathroom 3	Bathroom Vanity	Midcontinent, full overlay 5-panel door, flat drawer	Oak	Chestnut	
	Bathroom 1	Towel Bar 18"	Moen, Model # DN6818xx		Nickel	at Menards
	Bathrooms 2 & 3	Towel Bar 24" (2)	Moen, Model # DN6818xx		Nickel	at Menards
	Bathroom 1-3	Toilet Paper Holder	Moen, Model # DN6808xx		Nickel	at Menards
	Bathroom 2 & 3	Curved Shower Rod	Moen, Model # DN2160xx		Nickel	at Menards

Coatings	Walls Throughout (except as specified below)	Wall Paint	Sherwin Williams No VOC, SW 6154	Flat	Nacre	Smooth finish
	Walls Kitchen	Wall Paint	Sherwin Williams No VOC, SW 6154	eggshell	Nacre	Smooth finish
	Walls Bathrooms	Wall Paint	Sherwin Williams No VOC, SW 7036	eggshell	Accessible beige	Smooth finish
	Walls Living / Dining	Wall Paint	Sherwin Williams No VOC, SW 7621	flat	Silvermist	Smooth finish
	Ceiling Throughout (except kitchen and bathroom)	Ceiling Paint	Sherwin Williams No VOC	flat	ceiling white	Match existing texture
	Ceiling Kitchen and Bathrooms	Ceiling Paint	Sherwin Williams No VOC	eggshell	ceiling white	smooth finish
	Trim, casing, base	Stain color		Oak	Match cabinet finish	
	basement Stair treads	Paint color	SW 3518	flat	Hawthorne	
Flooring	Front Entry	Solid hardwood	Match species, depth & width of existing		Stain to match existing	
	Living / Dining	Solid hardwood	Match species, depth & width of existing		Stain to match existing	
	Bathrooms	Ceramic tile	1" mosaic tile		White	
	Bathroom wall base 1-3	Ceramic tile	6" cove base		White	
	Bathroom shower surround 2-3	Ceramic tile	6x6" field tile		White	
	Kitchen	Ceramic tile	Shadow bay,		Beach Sand	
	Bedrooms 1 - 4	Carpet	Shaw, Serenity Garden		Barn Wood	
	Second floor Hall	Carpet	Shaw, Serenity Garden		Barn Wood	
	Front Stair	Carpet runner	Shaw, Serenity Garden		Barn Wood	
	Basement Stair top landing	Solid hardwood	Match species, depth & width of existing		Stain to match existing	
Appliances	Basement floor	Concrete sealer				
	Kitchen	Range	Frigidaire: FFGF3053LS		Stainless	pre-purchased
	Kitchen	Microhood	Frigidaire: FPMV162LS		Stainless	pre-purchased
	Kitchen	Refrigerator	Frigidaire: FFHT126LS/K		Stainless	pre-purchased
Doors	Kitchen	Dishwasher	Frigidaire: FGHD2433KF		Stainless	pre-purchased
	Laundry	Washer	Frigidaire: FAFW3801LW		White	pre-purchased
	Laundry	Dryer	Frigidaire: FAQG7001LW		White	pre-purchased
	Front Entry	Steel Entry Door	Patina, Rochester			at Menards
Exterior Finishes	Rear Entry	Steel Entry Door	Mastercraft LT-10 half view w/ internal blind			at Menards
	Garage	Steel Entry Door	Mastercraft, 6-panel, solid			at Menards
	Interior doors, pre-hung	Interior Door	Style and rail, 5 equal panels	White Oak	Match cabinet finish	
	Door Hardware	Throughout	Schlage, Merano levers		Satin Nickel	at Menards
	Siding	Paint color	Sherwin Williams SW 6207		Retreat	
	Siding at low porch walls	Paint color	Sherwin Williams SW 7548		Portico	
	Porch skirt boards	Paint color	Sherwin Williams SW 7012		Creamy	
	Porch floors	Stain color	Sherwin Williams SW 3518		Hawthorne	
	Roof	Shingle color	GAF Elk 30 year HD shingle		Weathered Wood	
	Foundation coating		Match Sherwin Williams SW 3518 Hawthorne		#NAME?	
	Windows	Clad wood	Marvin Clad Ultimate		Medium Bronze	
	Door and Window Trim	Paint color	Sherwin Williams SW 7012		Creamy	
	Door panel at house	paint color	Match Marvin windows, Medium Bronze			
	Door panel at garage	Paint color	Sherwin Williams SW 7012		Creamy	
	Soffit/Fascia	Aluminum, prefinished	Edco		Antique Parchment	
	Downspouts	Aluminum, field painted	Sherwin Williams SW 6207		Retreat	at United Products
	Gutters	Aluminum, prefinished	Edco		Antique Parchment	at United Products

Materials Pre-Purchased for: 591 Lafond Avenue

1. Menards garage kit

Includes: framing and roof trusses, sheathing, service door and small window (see attached invoice for details)

2. All, Inc. Appliances

Refrigerator: FFHT2126LS/K Energy Star Rated 21 cu ft top mount refrigerator, stainless steel, with icemaker

Range: FFGF3053LS Frigidaire 30" Free-Standing Gas Range, Self Clean, Clock

Microwave/Hood: FFMV162LS Over the Range Micro/Hood, to be vented to exterior

Dishwasher: FGHD2433KF Energy STAR 24" Built-In Dishwasher, including dishwasher cord

Washer: FAFW3801LW Energy STAR Residential Front Load Washer

Dryer: FAQG7001LW Residential Gas Dryer

3. Lampert Roofing

Includes: GAF Elk Timberline 30 year HD shingles, Timbertex, Ice & Water shield and 15 lb felt

Shingle Color: Weathered Wood

Shingle Location: House and New Garage

4. Lampert Siding

Includes: Pre-primed Hardie Siding and Tyvek Housewrap

Siding Location: House and New Garage

Delivery of all materials to the job site is included in pre-purchase. Contractor is responsible for contacting specified vendor to arrange for and take delivery. See attached invoices for specifics and vendor contact information.

Delivery Agreement - Guest Copy

Delivery Agreement # 4466757

Page 1 of 1

CASHIER- Press 'Recall Trans' before scanning each of the barcodes below. You must scan ALL of the barcodes on this page. If there are additional pages of barcodes attached to this Delivery Agreement, each barcode on those sheets must be scanned as well



78221

PICKING LISTS TO BE DELIVERED

78217
30118974

TOTAL:

DELIVERY SERVICE

For Delivery Services Inquiries Please Contact:

Jim Thuman's Trucking
Jim Thuman
724 Madison St. NE
Minneapolis, MN 55413
Business Phone: (651) 246-3452
Cell Phone: (651) 246-3452
Email: jtd6258@msn.com
Insured through:
Hatch Agency, Inc
6121 Baker Rd Suite 102
Minnetonka, MN 55345
Agent: Mike Hatch
(952) 933-8080
mhatch@hatchagency.com

DELIVERY PLACEMENT AND SPECIAL INSTRUCTIONS

DELIVERY CHARGES

Garage Quantity: 1 Placement: Driveway Comments:

Included

Mileage Charge Zone A Trip 1 Delivery Date: PENDING Delivery Time: PENDING

TOTAL DELIVERY CHARGES



PICKING LIST - GUEST COPY

STORE # 3181 SPMW
2005 W. University Ave.
St. Paul, MN 55104

PHONE: (651) 645-1295
FAX: (651) 645-9809

CASHIER - PRESS RECALL TRANS
AND SCAN BARCODE ==>

SPMW 78217



CASHIER:

PLEASE STAPLE
RECEIPT HERE.

PAGE 1 OF 2

SOLD BY: mks
DATE: 01/30/12

GUEST NAME - ADDRESS - PHONE

City of St Paul
591 Lafond
Saint Paul, MN 55104

Ph: (651) 266-6581

QUANTITY	DESCRIPTION	SKU NUMBER	UNIT PRICE	EXTENDED PRICE
82 EACH	2X4X92 5/8" SPF CONSTR STUD	102-1091		
8 EACH	2X4X10' STUD/#2+BTR SPF CONST LUMBER	102-1114		
12 EACH	2X4X12' #2+BTR SPF CONST LUMBER	102-1127		
4 EACH	2X4X14' #2+BTR SPF CONST LUMBER	102-1130		
8 EACH	2X4X16' #2+BTR SPF CONST LUMBER	102-1143		
2 EACH	2X6X8' STUD/#2+BTR SPF CONSTR LUMBER	102-1758		
8 EACH	2X6X14' #2+BTR SPF CONSTR LUMBER	102-1787		
2 EACH	2X12X18' #2&BTR FIR CONSTLUMBER	102-2197		
1 EACH	2X4-6' AC2 TREATED AG ARSENIC FREE LW	111-0805		
3 EACH	2X4-10' AC2 TREATED AG ARSENIC FREE LW	111-0821		
3 EACH	2X4-12' AC2 TREATED AG ARSENIC FREE LW	111-0834		
1 EACH	1/2" (15/32) -4'X8' CDX 3-PLY 3-BLK STR	123-1085		
23 EACH	7/16" (14/32) -4'X8' OSB 3-WHITE STRIPES	124-2728		
23 EACH	1/2" (16/32) -4'X8' OSB 2WHT 1BLK STRPE	124-2809		
2 EACH	3 1/2" X 50' SILL SEALER FOAM	161-1602		

**TO AVOID PRODUCT NOT BEING AVAILABLE ON A LATER DATE
PLEASE PICK UP ALL MERCHANDISE TODAY. THANK YOU.**

This is a quote valid today. Upon payment this quote becomes a yard picking list subject to the terms and conditions below. Quantities listed above may exceed quantities available for immediate pick-up. Product is not held for a specific guest, but instead is available to the buying public on a first come, first serve basis. Please pickup all purchases made on this picking list immediately. Failure to pick up products on this picking list today will result in additional charge to you if, on the day of pick up, the retail price of the products are higher than on the day purchased. Menards liability to you is limited to refunding your original purchase price for any product not picked up.

Guest Instructions:

1. Take this picking list to a cashier to pay for the merchandise.
2. Enter the outside yard to pick up your merchandise. (All vehicles are subject to inspection.)
3. Load your merchandise. (Menards Team Members will gladly help you load your materials but cannot be held liable for damage to your vehicle.)
4. When exiting the yard, present this list to the Gate Guard. (The Gate Guard will record the items you are taking with you.)
5. Sign the Gate Guard's signature pad verifying you've received the merchandise.

PRE-TAX TOTAL: (CONTINUED)

Our insurance does not allow us to tie down or secure your load, trunk lid, etc. For your convenience, we supply twine, but you will have to decide whether or not your load is secure and if the twine supplied is strong enough. If you do not believe the twine will suffice, stronger material can be purchased inside the store.

READ THE TERMS AND CONDITIONS CAREFULLY. All returns are subject to Menards' posted return policy. In consideration for Menards low prices you agree that if any merchandise purchased by you is defective, Menards will agree to exchange the merchandise or refund the purchase price based on the form of original payment. You agree that there shall be no other remedy available to you. If there is a warranty provided by the manufacturer, that warranty shall govern your rights and Menards shall be selling the product "AS IS." Oral statements do not constitute warranties, and are not a part of this contract. The guest agrees to inspect all merchandise prior to installing or using it. **UNDER NO CIRCUMSTANCES SHALL MENARDS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.** **MENARDS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE MERCHANDISE.** Any controversy or claim arising out of or relating to this contract, or the breach thereof, shall be settled by arbitration administered by the American Arbitration Association under its applicable Consumer or Commercial Arbitration Rules, and judgments on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. The guest agrees to these terms and conditions through purchase of merchandise contained on this document.

THIS IS NOT A RECEIPT

GATE GUARD - SCAN HERE ==>





PICKING LIST - GUEST COPY

STORE # 3181 SPMW
2005 W. University Ave.
St. Paul, MN 55104

PHONE: (651) 645-1295
FAX: (651) 645-9809

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AND SCAN BARCODE ==>

SPMW 78217



CASHIER:

PLEASE STAPLE

RECEIPT HERE.

PAGE 2 OF 2

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DATE: 01/30/12

GUEST NAME - ADDRESS - PHONE

City of St Paul
591 Lafond
Saint Paul, MN 55104

Ph: (651) 266-6581

QUANTITY	DESCRIPTION	SKU NUMBER	UNIT PRICE	EXTENDED PRICE
1 EACH	BB ENTRY GEORGIAN KNOB	F51VGE0505 221-3918		
4 EACH	1/2"PLYWD CLIP STEEL 25/BPC12-BMC 10BGS/	227-1303		
20 EACH	RAFTER TIE	RT15-TZ 227-1647		
1 EACH	36X24 VINYL SLIDER	CLEAR GLASS 403-0633		
1 EACH	CM1 6-PANEL STEEL DOOR PH36X80 LH SB	414-1554		
1 EACH	PINE TAPERED SHIMS 12 CT 3/8X1-1/4X8''	433-4222		

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THIS IS NOT A RECEIPT

GATE GUARD - SCAN HERE ==>





CASHIER:
PLEASE
STAPLE
RECEIPT
HERE.

SPECIAL ORDER CONTRACT
GUEST COPY

STORE # 3181 SPMW PHONE: (651) 645-1295
2005 W. University Ave. FAX: (651) 645-9809
St. Paul, MN 55104

THANK YOU!

ESTIMATED ARRIVAL DATE
NOT BINDING ON MENARD, INC.
BASED ON PROMISES BY OTHERS 02/09/12

SOLD BY ORDER DATE
MEGAN P. 01/30/12

GUEST NAME - ADDRESS - PHONE

City of St Paul
591 Lafond
Saint Paul, MN 55104
Ph: (651) 266-6581

QTY ORDERED	DESCRIPTION	SKU	UNIT PRICE	EXTENDED PRICE
10 EACH	22' STD 4/12 2' OC 2' OH	62#	187-1267	
2 EACH	22' STUDDEND END FRAME	4/12 PITCH	187-1283	

This is a quote valid today. This quote becomes an order upon payment and a valid Menards receipt for this order is attached.

READ THIS CONTRACT CAREFULLY. The terms and conditions set forth in this document are a complete and final expression of the parties. Any and all claims under this special order contract must be brought within one year of the purchase of said merchandise. **Special order merchandise** may be refunded at Menards sole discretion with a **25% restocking fee**. The purchaser is responsible for all measurements, sizes, and colors as stated above. The purchaser's exclusive remedy if the merchandise is defective or fails to conform to the terms of the contract is replacement of the merchandise. All defects and non-conformities must be reported to Menards within 3 days upon receipt of the merchandise. If there is a specific written warranty from the manufacturer the purchaser understands that this merchandise is sold on an "AS IS," basis and the manufacturer's warranty shall govern my rights. **MENARDS MAKES NO WARRANTIES, EXPRESS OR IMPLIED AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE MERCHANDISE.** If the exclusive remedy fails its essential purpose, Menards liability shall not exceed the purchase price of the merchandise. **MENARDS SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.** In the event that the purchaser refuses to and or fails to pick up the merchandise within 30 days after receiving notification of its availability, Menards may liquidate the merchandise and shall be entitled to 25% the purchase price as liquidated damages. Menards may withhold any payment received as partial satisfaction for its damages. If the vendor, which supplies the merchandise on this contract fails to perform, the purchaser agrees that Menards shall not be liable. Because of wide variations in codes, there are no representations that the materials listed herein meet your code requirements. The Purchaser agrees that any controversy or claim arising out of or relating to this contract, or the breach thereof, shall be settled by binding arbitration administered by the American Arbitration Association under its applicable Consumer or Commercial Arbitration Rules. A judgment on an award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof.

YOUR PURCHASE OF THE MERCHANDISE ON THIS CONTRACT CONSTITUTES TERMS AND CONDITIONS LISTED IN THE CONTRACT.

SUB-TOTAL:

SHIPPING:

PRE-TAX TOTAL

VENDOR: **MIDWEST MANUFACTURING**

For the most accurate and up-to-date status
of your order, please visit:

www.menards.com

If this is a partial pickup, please verify all
quantities/items being signed for. Menards is
not responsible for shortages after leaving the
yard.



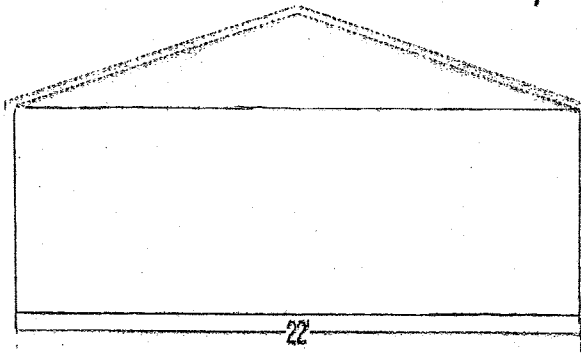
Design # 74105



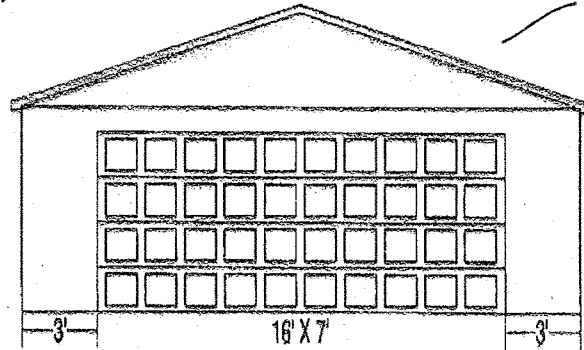
Page 2 of 2
1/5/2012

*** Here are the wall configurations for your design.

Illustration May Not Depict All Options Selected

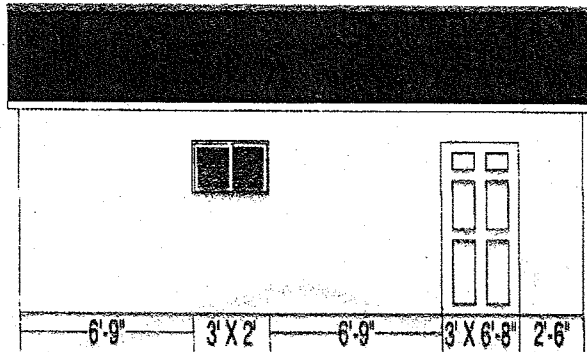


Gable Front View



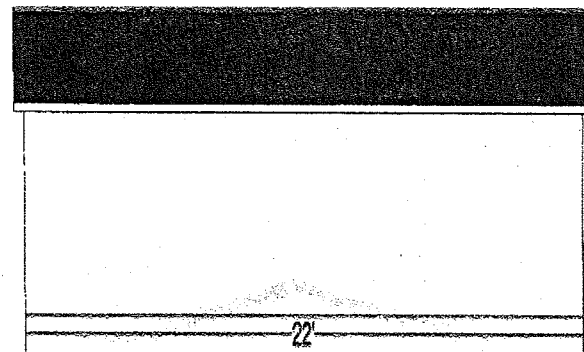
12/4
pitch

(1) - 16X7 WHITE NONINSL RAISEDPNL EXTSP M5ST



Eave Front View

- (1) - 36X24 SELECT 100 SLID IGPC2SG3020
- (1) - CM1 6-PANEL STEEL DOOR PH36X80 RH SB



Eave Back View

Building Size: 22 feet wide X 22 feet long X 8 feet high

Approximate Peak Height: 12 feet 0 inches (144 inches)

Menards provided material estimates are intended as a general construction aid and have been calculated using typical construction methods. Because of the wide variable in codes and site restrictions, all final plans and material lists must be verified with your local zoning office, architect and/or builder for building design and code compliance. Menards is a supplier of construction materials and does not assume liability for design, engineering or the completeness of any material lists provided. Underground electrical, phone and gas lines should be located and marked before your building plans are finalized. Remember to use safety equipment including dust masks and sight and hearing protection during construction to ensure a positive building experience.



** ACKNOWLEDGEMENT **

Order #: S1276793
P/O # : 591 W LAFOND
Printed: 09:44:59 26 JAN 2012
Page # : 1 of 2
Order Phone: 651-266-6581
Cust. Phone: 651-266-6581

Sold To:
CITY OF ST. PAUL
DEPT PLANNING ECONOMIC / HRA
25 WEST 4TH STREET, SUITE 1100
SAINT PAUL, MN 55102
** C.O.D. ** C.O.D. ** C.O.D. **

Ship To:
CITY OF ST. PAUL
DEPT PLANNING ECONOMIC / HRA
591 W LAFOND AVE
SAINT PAUL, MN 55103

Ordered by PER RAGNELLO	Order Date 01/24/12	Ship Date 12/01/12	Ship Via OT DELIVERY	Warehouse Shp 1 Prc 1	
Writer Edmund Rustin	Salesperson Ross Agnello		Release # 591 W LAFOND	Freight Allowed No	
Ordered	Product Description			Net Prc	Ext Prc
	***** Shipping Instructions ***				
	* **TBD**				

1ea	FFHT2126LS FRIGIDAIRE 21CF TOP MOUNT REFRIGERATOR; ESTAR; (STAINLESS) RIGHT HAND HINGE Serial#				
	>>CONFIRM DOOR HINGE<<				
1ea	IM115 FRIGIDAIRE ICE MAKER*				
1ea	SVC- INSTALL ICE MAKER KIT PRIOR TO DELIVERY:				
1ea	FFGF3053LS FRIGIDAIRE 30" GAS RANGE; (STAINLESS)* *SPECIAL ORDER ITEM - NO RETURNS*				
	Serial#				
1ea	FFMV162LS FRIGIDAIRE OTR MICROWAVE; (STAINLESS)* Serial#				
1ea	FGHD2433KF FRIGIDAIRE GALLERY BUILT IN DISHWASHER; ESTAR; (STAINLESS)* *SPECIAL ORDER ITEM - NO RETURNS*				
	Serial#				
1ea	MIEDWC6 6' DISHWASHER/DISPOSAL CORD STRAIGHT CAP;				
1ea	SVC- INSTALL POWER CORD PRIOR TO DELIVERY:				
1ea	FAFW3801LW FRIGIDAIRE 3.8CF AFFINITY FRONT LOAD WASHER; (WHITE) *SPECIAL ORDER ITEM - NO RETURNS*				
	Serial#				

*** Continued on Next Page ***

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** ACKNOWLEDGEMENT **

Order #: S1276793
P/O # : 591 W LAFOND
Printed: 09:44:59 26 JAN 2012
Page # : 2 of 2
Order Phone: 651-266-6581
Cust. Phone: 651-266-6581

Sold To:

CITY OF ST. PAUL
DEPT PLANNING ECONOMIC / HRA
25 WEST 4TH STREET, SUITE 1100
SAINT PAUL, MN 55102

Ship To:

CITY OF ST. PAUL
DEPT PLANNING ECONOMIC / HRA
591 W LAFOND AVE
SAINT PAUL, MN 55103

** C.O.D. ** C.O.D. ** C.O.D. **

Ordered by	Order Date	Ship Date	Ship Via	Warehouse
PER RAGNELLO	01/24/12	12/01/12	OT DELIVERY	Shp 1 Prc 1
Writer	Salesperson	Release #	Freight Allowed	
Edmund Rustin	Ross Agnello	591 W LAFOND	No	
Ordered	Product Description			
1ea	FAQG7001LW FRIGIDAIRE AFFINITY FRONT LOAD GAS DRYER; (WHITE) *SPECIAL ORDER ITEM - NO RETURNS*			
	Serial#			
4ea	SVC- UNCRATE AND SET: (free standing product only / built-ins left in carton)			
2ea	SVC- DROP DELIVERY: (no uncrate and set - drop only)			
1ea	SVC- INSTALL ANTI-TIPS:			
1ea	LABOR CHARGE / TAXABLE			
-1ea	DISCOUNT:			

SUBTOTAL
SALES TAX

Total Amount

.. Reprint .. Reprint .. Reprint .. Reprint ..



Lumber • Building Materials
Lamperts

Yard Delivery Order

9220 Hudson Blvd.
Lake Elmo MN 55042
Phone: 651-739-5400 Fax: 651-739-0267

KEEP RECEIPTS FOR
RETURNS/EXCHANGES

Invoice #:
Invoice Date: 01/26/2012

Customer Master Account #: 5154158
Customer Job Account #: 5154160

Sold To: CITY OF ST PAUL
PLANNING & ECON DEVELOP
St Paul, MN 55102

Ship To: CITY OF ST PAUL
591 LAFOND
ROOFING
St Paul, MN 55102

Store No.	Order Ref	Order Date	Customer PO	Sales Rep	Payment Terms	Invoice Type
11	11257830			207	STATEMENT DATE	YARD/DEL ORDER

Item No.	Qty Ordered	Qty Shipped	B/O	U/M	Description	Unit Price	Total
					591 LAFOND ROOFING FOR HOUSE & NEW GARAGE.		
07440070	78	78		BDL	GAF TIMBERLN HI-DF WEATHERD WD (26 SQ TOTAL)		
07410070	7	7		BDL	GAF/ELK TIMBERTEX 20' WEATHR WD		
07110250	7	7		EACH	GENERIC ICE&WATER GRAN 2SQ 3'X6'		
07100040	8	8		ROLL	FELT NO.15-36IN ASPHALT 4SQ		
Total Ship Units: 7247.000 LB							

Filed By	Checked By	Shipped By

Ship Via:

AUTH:	OT: ALEX BOETTCHER

Customer
Signature: _____

Date: ____ / ____ / ____



11257830
CUSTOMER COPY



Lumber • Building Materials

Lamperts

Yard Delivery Order

9220 Hudson Blvd.

Lake Elmo MN 55042

Phone: 651-739-5400 Fax: 651-739-0267

KEEP RECEIPTS FOR

RETURNS/EXCHANGES

Invoice #:

Invoice Date: 01/27/2012

Customer Master Account #: 5154158

Customer Job Account #: 5154160

Sold To: CITY OF ST PAUL
PLANNING & ECON DEVELOP

St Paul, MN 55102

Ship To: CITY OF ST PAUL

591 LAFOND

SIDING

St Paul, MN 55102

Store No.	Order Ref	Order Date			Customer PO	Sales Rep	Payment Terms	Invoice Type
11	11257896					207	STATEMENT DATE	YARD/DEL ORDER
Item No.	Qty Ordered	Qty Shipped	B/O	U/M	Description	Unit Price	Total	
					591 LAROND			

06450015

617

617

EACH

591 LAFOND
SIDING FOR HOUSE & NEW GARAGE

27558040

5

5

ROLL

HARDI SDG 5/16X7-1/4X12 CDRMI
(37 SQR TOTAL)
HOUSEWRAP 9'X100' TYVEK

Order

Filed By	Checked By	Shipped By	Ship Via

AUTH:

OT: ALEX BOETTCHER

Customer
Signature: _____

Date: ____ / ____ / ____



11257896

CUSTOMER COPY

Neighborhood Energy Connection

Residential Energy Specification

Customer: City of Saint Paul

Auditor: Michael Childs

Address: 591 Lafond Ave 1 & 2

Phone: 651-221-4462 x145

Spec ID#	Spec Title	Specification	Location / Notes
200	Replace Boiler with 90% AFUE Hot Water Boiler & Sidearm water heater	Replace existing boiler with a gas fired, modulating, direct vent, 90% AFUE+ hot water boiler. Installation to include all power & control wiring, a setback thermostat, expansion tank, one circulation pump, water & gas supply & flue piping. The installation is required to maintain a minimum 70 F indoor temperature evenly throughout the conditioned space when outdoor temperature is - 10 F. Install an indirect fired 40 gallon water tank as a separate zone on their boiler with a maximum heat loss rating of 1 degree per hour. Remove existing boiler, recycle all metal components and dispose of all other materials in a code legal dump.	Option 1.
204	Replace Boiler with 85% AFUE Hot Water Boiler	Replace existing boiler with a gas fired, 85%+ AFUE hot water boiler. Installation to include all power & control wiring, a setback thermostat, expansion tank, one circulation pump, water & gas supply & flue piping. The installation is required to maintain a minimum 70 F indoor temperature evenly throughout the conditioned space	Option 2.

		when outdoor temperature is - 10 F.	
304	Replace Water Heater with Power Vented .67 EF	Replace water heater with a power-vented water heater with an EF of .67. Include pressure & temperature release valve, discharge tube to within 6" of floor and PVC flue to power vent to exterior.	With boiler Option 2.
310	Install Central Air Conditioning Unit	Install 13 EER mini-split system central air conditioning unit, following local building code. Using OEM performance information and industry-approved procedures, confirm that the selected equipment satisfies/meets the load requirements at the system design conditions.	
500	Seal Attic Bypasses	Contractor shall seal all attic bypasses. Bypasses shall be defined as any break in the envelope of a house between a heated living space and an unheated area or exterior. Bypass locations include, but are not limited to, the following areas: chimneys, soil stacks, end walls, dropped ceilings, open plumbing walls, beneath knee walls and around duct work, electrical work and attic access points. Bypasses shall be sealed in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Materials to be used for sealing bypasses depend on the size and location of the bypass and meet code requirements. These materials include high quality	

		caulks (20-year life span), polyethylene rod stock, foam, sheetrock, sheet metal, extruded polystyrene and densely packed insulation.	
510	Blow Open Attic to R-50	All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. Blow insulation to depth indicated on manufacturer's coverage chart, consistently and evenly to R-50. Insulation in the peak attic must be marked with a ruler to measure depth and a sign with the number of bags used and the date of the installation.	Insulate 1st floor rear attic, also.
512	Dense Pack Slants to capacity with cellulose	Determine cavities are free of hazards and can support dense packing pressures, locate drilling hazards, control dust when drilling from interior. Blow Slant walls with cellulose to capacity using the Dense Pack Method to a minimum density 3.5 lbs./ft ³ .	
530	Install Air Chutes	Baffles or chutes shall be installed to maintain the passage of free air. Attic areas below the baffle or chute shall be insulated to R-44 or to capacity as space allows.	
532	Build Dam, insulate and weather strip attic hatch	Access hatch door to attic shall be insulated to R-44 and insulation dam constructed around opening. Opening shall be weather stripped to provide a tight seal.	
616	Wall insulation - Interior Application: Dense Pack Cellulose	Exterior walls insulated from inside the house shall be drilled through to provide access. Determine cavities are free of hazards and can support dense packing pressures, locate drilling hazards, control dust when drilling from	Method depends on extent of rehab work.

		interior. Completely fill each cavity to a consistent density. Dense pack cellulose to a minimum density of 3.5 lbs./ft ³ or dense pack spider fiberglass per manufacturer's instructions. Follow all applicable Lead Safe Work Practices as per the EPA's RRP Rules. Loosely blown fiberglass existing.	Asbestos shakes.
618	Wall insulation - Interior Application: Fiberglass batt open cavities	Fit batt insulation between studs so that it fills the wall cavity without any gaps, voids, or compression. Call the NEC before sheet rocking. Loosely blow fiberglass existing.	Method depends on extent of rehab work. Asbestos shakes.
620	Wall insulation - Interior Application: Spray foam open cavities	Follow manufacturer's instructions to completely and evenly fill the cavity. Call the NEC for inspection before sheet rocking. Loosely blown fiberglass existing.	Method depends on extent of rehab work. Asbestos shakes.
800	Air Seal Rim Joist	Seal cracks and holes in rim joist using caulk, foam or other air tight materials.	
1000	Install ENERGY STAR Rated Kitchen Fan	Install an ENERGY STAR rated exhaust fan connected with insulated rigid ductwork into a dampered vent.	
1010	Install ENERGY STAR Rated 2-stage Bathroom Fan	Install an ENERGY STAR rated two-speed bathroom fan .8 sones or less, with a pre-set low-speed of 10-30 CFM and a high-speed boost capability of 70-110 CFM initiated by a wall switch or motion detector. Vent bathroom fan using rigid duct and insulated with fiberglass and vented out	

		with dampered roof vent.	
1200	Replace incandescents with CFLs	Replace incandescent bulbs with ENERGY STAR rated compact fluorescent lights. Install fixtures that meet the lighting needs of the particular area.	
1210	Install ENERGY STAR Rated Washing Machine	Connect new ENERGY STAR rated clothes washer sized appropriately for the household. Use braided steel water supply lines and a smooth rubber drain line connected to a 2 inch drain with trap. Remove existing washer, recycle all metal components and dispose of all other materials in a code legal dump.	
1212	Install ENERGY STAR Rated Dishwasher	Install ENERGY STAR rated dishwasher including all alterations and connections to plumbing and electric system. Remove existing dishwasher, recycle all metal components and dispose of all other materials in a code legal dump.	
1214	Install ENERGY STAR Rated Refrigerator	Install ENERGY STAR rated refrigerator sized appropriately for the household. Remove existing refrigerator, recycle all metal components and dispose of all other materials in a code legal dump.	

Home Energy Rating Certificate

591 Lafond Ave 1 & 2
Saint Paul, MN 55103



**3 Stars Plus
Confirmed**

Uniform Energy Rating System

1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars	5 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101	100-91	90-86	85-71	70 or Less

HERS Index: 120

General Information

Conditioned Area: 2991 sq. ft.
Conditioned Volume: 25171 cubic ft.
Bedrooms: 4

House Type: Duplex, whole building
Foundation: Conditioned basement

Mechanical Systems Features

Heating: Fuel-fired hydronic distribution, Natural gas, 80.0 AFUE.
Heating: Fuel-fired hydronic distribution, Natural gas, 72.0 AFUE.
Water Heating: Conventional, Natural gas, 0.56 EF, 40.0 Gal.
Duct Leakage to Outside: NA
Ventilation System: None
Programmable Thermostat: Heating: No Cooling: No

Building Shell Features

Ceiling Flat: R-19 Exposed Floor: NA
Vaulted Ceiling: R-6 Window Type: S W Op (w/St)
Above Grade Walls: R-6
Foundation Walls: R-1.1
Slab: R-0.0 Edge, R-0.0 Under
Infiltration:
Rate: Htg: 3722 Clg: 3722 CFM50
Method: Blower door test

Lights and Appliance Features

Percent Interior Lighting: 0.00 Range/Oven Fuel: Natural gas
Percent Garage Lighting: 0.00 Clothes Dryer Fuel: Natural gas
Refrigerator (kWh/yr): 691.00 Clothes Dryer EF: 2.67
Dishwasher Energy Factor: 0.46 Ceiling Fan (cfm/Watt): 0.00

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

REM/Rate - Residential Energy Analysis and Rating Software v12.99

This information does not constitute any warranty of energy cost or savings.

© 1985-2012 Architectural Energy Corporation, Boulder, Colorado.

Registry ID:

Rating Number: 526-1289

Certified Energy Rater: Michael Childs

Rating Date: 6/4/2012

Rating Ordered For: City of Saint Paul

Estimated Annual Energy Cost

Use	Confirmed		
	MMBtu	Cost	Percent
Heating	210.1	\$1896	53%
Cooling	0	\$0	0%
Hot Water	39.6	\$356	10%
Lights/Appliances	44.6	\$982	27%
Photovoltaics	-0.0	\$-0	-0%
Service Charges		\$359	10%
Total		\$3594	100%

**This home meets or exceeds the minimum
criteria for all of the following:**

TITLE

Company

Address

City, State, Zip

Phone #

Fax #

Home Energy Rating Certificate

591 Lafond Ave 1 & 2
Saint Paul, MN 55103



5 Stars
Projected Rating

Uniform Energy Rating System

1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars	5 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101	100-91	90-86	85-71	70 or Less

HERS Index: 84

General Information

Conditioned Area: 2991 sq. ft.
Conditioned Volume: 25171 cubic ft.
Bedrooms: 4
House Type: Duplex, whole building
Foundation: Conditioned basement

Mechanical Systems Features

Heating: Fuel-fired hydronic distribution, Natural gas, 84.0 AFUE.
Heating: Fuel-fired hydronic distribution, Natural gas, 84.0 AFUE.
Water Heating: Conventional, Natural gas, 0.67 EF, 40.0 Gal.
Duct Leakage to Outside: NA
Ventilation System: Exhaust Only: 67 cfm, 13.0 watts.
Programmable Thermostat: Heating: Yes Cooling: Yes

Building Shell Features

Ceiling Flat: R-50
Vaulted Ceiling: R-13
Above Grade Walls: R-13
Foundation Walls: R-1.1
Slab: R-0.0 Edge, R-0.0 Under
Exposed Floor: NA
Window Type: NFRC .34 / .33
Infiltration:
Rate: Htg: 2522 Clg: 2522 CFM50
Method: Blower door test

Lights and Appliance Features

Percent Interior Lighting: 90.00
Percent Garage Lighting: 0.00
Refrigerator (kWh/yr): 691.00
Dishwasher Energy Factor: 0.46
Range/Oven Fuel: Natural gas
Clothes Dryer Fuel: Natural gas
Clothes Dryer EF: 2.67
Ceiling Fan (cfm/Watt): 0.00

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

REM/Rate - Residential Energy Analysis and Rating Software v12.99

This information does not constitute any warranty of energy cost or savings.
© 1985-2012 Architectural Energy Corporation, Boulder, Colorado.

Registry ID:

Rating Number: 526-1289

Certified Energy Rater: Michael Childs

Rating Date: 6/4/2012

Rating Ordered For: City of Saint Paul

Estimated Annual Energy Cost

Projected Rating

Use	MMBtu	Cost	Percent
Heating	144.6	\$1309	47%
Cooling	0	\$0	0%
Hot Water	31.9	\$287	10%
Lights/Appliances	39.1	\$837	30%
Photovoltaics	-0.0	\$-0	-0%
Service Charges		\$359	13%
Total		\$2792	100%

**This home meets or exceeds the minimum
criteria for all of the following:**

TITLE

Company

Address

City, State, Zip

Phone #

Fax #

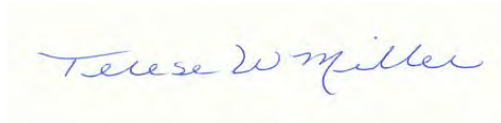
ASBESTOS AND LEAD-BASED PAINT SURVEY

591 Lafond Avenue
St. Paul, Minnesota

Prepared for:

City of St. Paul
Department of Planning and Economic Development
1100 City Hall Annex
25 West 4th Street
St. Paul, Minnesota 55102-1623

Submitted by:



Terese W. Miller
Principal Consultant, CEO



St. Croix Environmental, Inc.
1094 Golden Oaks Drive
Hudson, Wisconsin 54016

January 26, 2012

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5. Inspection and Sampling Limitations.....	5

APPENDICES

Appendix I	Asbestos Survey Report
Appendix II	Lead-Based Paint Testing Report

1. Introduction

St. Croix Environmental, Inc. (SCE) was retained by the City of St. Paul (the City) to administer a Survey of the property located at 591 Lafond Avenue in St. Paul, Minnesota (the Site). The Site is occupied by single-family dwelling which is scheduled for rehabilitation.

The purpose of the work was to evaluate building materials suspected to contain asbestos and lead-based paint as follows:

- Identify asbestos containing materials (ACM) at the Site as defined by the Environmental Protection Agency (EPA), Minnesota Pollution Control Agency (MPCA), and the Minnesota Department of Health (MDH).
- Identify surfaces that contain lead-based paint prior to rehabilitation in accordance with US Department of Housing and Urban Development (HUD) guidelines.

The work did not include a survey for hazardous materials other than asbestos or lead-based paint.

2. Asbestos Survey

On January 13, 2012, Tim Marxhausen, a Minnesota Department of Health (MDH) Certified Asbestos Inspector with Parks Environmental Consulting, Inc. completed the building survey and sampling activities.

2.1. ACM Sampling

A list of the suspect asbestos materials that were sampled can be found in **Appendix I**. Materials other than those listed, and not sampled, were either: 1) not considered suspect for asbestos content (e.g. fiberglass insulation, concrete, brick, plastic); or, 2) inaccessible, such as materials in wall cavities, confined spaces, or locked rooms/areas. If suspect asbestos containing materials other than those listed and sampled are discovered at the Site, they should be considered asbestos containing until testing proves otherwise.

The samples were analyzed for asbestos content by EPA Method 600/R-93/116, at Schneider Laboratories, Richmond, Virginia. Schneider's laboratory is accredited for asbestos bulk material analysis under the National Institute of Sciences' National Voluntary Laboratory Accreditation Program (NVLAP). The analytical method's lower detection limit is one-percent asbestos by volume. The method provides a visual estimation of asbestos in the material sample.

2.2. ACM Results

A copy of the analytical laboratory report is included in **Appendix I**. The sample location diagram is also included the appendix.

The following materials were found to contain asbestos:

TABLE 1 – Summary of Asbestos Containing Building Materials				
Sample Number	Description	Location	Friable	Approx. Amount
LIN-07	Linoleum – green stone pattern	Upper Level - Bathroom	Yes	40 SF
SU-01	Sink Undercoat - black	Basement	No	1 SF
T-01	Transite Exterior Siding Shingles	House Exterior	No	UND

SF= Square Feet UND = Undetermined

3. Lead-Based Paint Survey

On January 24, 2012, Andrew Myers, a Minnesota-licensed lead risk assessor with Midwest Environmental, LLC., performed a HUD lead-based paint inspection and risk assessment of the property. At the request of the City of Saint Paul (City), this report provides information in accordance with HUD guidelines regarding the identification of lead-based paint.

3.1. Lead-Based Paint Sampling

Observations for lead-based paint, conducted in accordance with HUD guidelines, include a description of condition. Based on current regulatory definitions, lead-based paint is defined as paint containing lead concentrations equal to or greater than 1.0 milligrams per square centimeter (mg/cm²) when using a Niton XL X-ray fluorescence (XRF) analyzer. The XRF provides the measured lead concentration in weight of lead per unit area.

3.2. Lead-Based Paint Results

Specific building components determined to have a lead concentration above the action level of 1.0 mg/cm² are listed below. Complete results of the XRF analyzer are presented in **Appendix II**.

LOCATION	COMPONENT
Porch	Painted wood door components
Porch	Painted wood window components
Porch	Painted wood walls & trim
Porch	Vinyl floor
Unit 1 -Entry	Painted wood baseboards
Unit 1 -Living Room	Painted wood window components
Unit 1 -Bedroom 1	Painted plaster walls & ceilings (including closet walls)
Unit 1 -Bedroom 1	Painted wood closet shelf supports
Unit 1 -Bedroom 1	Painted closet baseboards
Unit 1 -Bedroom 1	Painted closet door components
Unit 1 -Bedroom 1	Painted wood window components
Unit 1 -Hall	Painted wood door
Unit 1 -Hall	Painted wood wall
Unit 1 -Hall	Painted plaster ceiling
Unit 1 -Side Entry	Painted wood ceiling & varnished walls
Unit 1 -Side Entry	Painted wood floor
Unit 1 -Bathroom	Bath tub
Unit 1 -Bathroom	Painted wood baseboards
Unit 1 -Bathroom	Painted wood window components
Unit 1 -Bathroom	Painted wood door & door components
Unit 1 -Bathroom	Painted drywall wall
Unit 1 -Den	Painted wood floor
2nd Floor Living Room	Painted drywall ceiling
Unit 1 -Bedroom 2	Painted wood wall
Stairway to basement	Painted wood door & door components
Stairway to basement	Painted wood baseboards & ledge
Stairway to basement	Painted wood hand rail
Stairway to basement	Painted wood stair riser
Stairway to basement	Painted wood window
Stairway to basement	Painted plaster wall
Laundry	Painted wood doors & door components
Basement -Room 1	Painted wood door
Basement -Room 1	Painted wood window
Basement -Room 1	Painted wood columns
Basement -Room 2	Painted drywall wall
Furnace Room	Painted wood door components
Furnace Room	Painted wood window
Furnace Room	Painted wood columns
Basement -Bathroom	Bath tub
	CONTINUED ON NEXT PAGE

LOCATION	COMPONENT - CONTINUED FROM PREVIOUS PAGE
Back Stairway -all floors	Painted wood doors & door components
Back Stairway -basement	Painted wood wall
Back Stairway -151 floor	Painted wood floor
Back Stairway -151 floor	Painted wood stair treads & riser
Back Stairway -2nd floor	Painted wood baseboards
Back Stairway -2nd floor	Painted wood window components
Back Stairway -2nd floor	Painted wood walls & ceiling
Front Stairway -2nd floor	Painted wood baseboards
Front Stairway -2nd floor	Painted wood stair treads & riser
Front Stairway -2nd floor	Painted wood window components
Front Stairway -2nd floor	Painted wood cornice
Unit 2 -Hall	Painted wood attic door
Unit 2 -Hall	Painted wood baseboards
Unit 2 -Hall	Painted wood doors & door components (including closet door)
Unit 2 -Bedroom 1	Painted wood doors & door components
Unit 2 -Bedroom 1	Painted wood baseboards
Unit 2 -Bedroom 1	Painted wood window components
Unit 2 -Living Room	Painted wood door & door components
Unit 2 -Living Room	Painted wood cornice
Unit 2 -Living Room	Painted wood baseboards
Unit 2 -Living Room	Painted wood window components
Unit 2 -Bedroom 2	Painted plaster walls & ceilings (including closet)
Unit 2 -Bedroom 2	Painted wood closet door
Unit 2 -Bedroom 2	Varnished wood closet shelf support
Unit 2 Kitchen	Pressed fiber ceiling tile (depth index indicates lead beneath the tile probably on original plaster)
Unit 2 Kitchen	Painted plaster walls (including closet)
Unit 2 Kitchen	Painted wood closet shelf
Unit 2 Bathroom	Bathtub
Unit 2 Bathroom	Walls
Exterior	Painted wood window & window components
Exterior	Painted wood soffits, fascia & trim
Exterior	Painted wood drip board
Exterior	Painted wood siding
Throughout	All original vintage millwork
Throughout	All original vintage window components

4. Definitions

The following definitions apply to this report:

- The EPA/MPCA/MDH defines ACM as any material that contains greater than one percent asbestos by volume. Materials found to contain one percent or less asbestos by volume are not regulated as ACM by EPA/MPCA/MDH.
- Friable ACM is defined as any material that contains greater than one percent asbestos, and which can be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I non-friable ACM means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than one percent asbestos. Category I non-friable ACM is not allowed to remain in place during renovation/rehabilitation if it is in a condition where the renovation/rehabilitation activities might cause it to become friable.
- Category II non-friable ACM means any material, excluding Category I non-friable ACM, containing more than one percent asbestos that, when dry, cannot be crumbled, pulverized, or reduced to a powder by hand pressure. Category II nonfriable ACM is not allowed to remain in place during renovation or rehabilitation if it has a high probability of becoming crumbled, pulverized, or reduced to a powder during renovation, rehabilitation, transport, or disposal.

5. Inspection and Sampling Limitations

This survey report is intended to describe lead-based paint and ACM that may be present at the subject site, including those that may be impacted during renovation or rehabilitation activities. Services performed by the consultant were conducted in accordance with generally recognized industry standards and current MPCA and MDH guidelines, and in a manner consistent with the level of care and skill ordinarily exercised by other professional consultants under similar circumstances and under similar budget and time constraints. No other warranty is made or intended.

The survey is not intended to be technically exhaustive and no representation is made to the client, expressed or implied, and no warranty or guarantee is included or intended. It is possible that some materials were not identified during the course of the inspection at this site. Such unidentified materials would be those that are hidden from view, such as floor tile under floor tile or carpet, pipe insulation in wall cavities, materials out of reach in high ceiling areas, materials located under or behind finish materials, or materials inadvertently overlooked. Building materials known to possibly contain asbestos or lead-based paint which were not sampled as part of this survey should be assumed to be asbestos or lead containing until proven otherwise.

The consultant and/or inspector for this survey are not held responsible or liable for any repairs or replacements with regards to this property, systems, components, or the contents therein. Material samples were analyzed by an independent outside laboratory; the results of their analyses are presented herein. While we choose an established, reputable and certified lab to perform the sample analysis, SCE does not warrant the accuracy of the laboratory results.

The information contained in this report represents the consultant's best efforts to determine the presence of lead-based paint and ACM at the site given the site conditions. No inspection was carried out of flues, chutes, ducts, voids and any similar enclosed areas, the access to which would necessitate the use of specialist equipment or tools, or which would have caused damage to decoration, fixtures, fittings or the structure of the building. We are therefore unable to report on the presence of asbestos or lead in these areas, and accept no responsibility for the presence of such.



ASBESTOS MATERIALS SURVEY REPORT

DUPLEX

**591 LaFOND AVENUE
ST. PAUL, MINNESOTA**

Prepared for:

**St. Croix Environmental
1094 Golden Oaks Drive
Hudson, Wisconsin**

Prepared by:

**Parks Environmental Consulting, Inc.
4749 Chicago Avenue S.
Minneapolis, Minnesota
(612) 353-6528**

Parks Project # 9360

January 26, 2012

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3.0 Methods.....	2
4.0 Data and Findings Summary.....	2
5.0 Recommendations	4
6.0 Inspection and Sampling Limitations.....	4

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Table 1	Summary of Asbestos Containing Building Materials
Table 2	Identified and Sampled Suspect ACM

LIST OF APPENDICES

Appendix A	Asbestos Laboratory Report
Appendix B	Site Sketch with Sample Locations
Appendix C	Inspector Certification

1.0 Executive Summary

St. Croix Environmental, Inc. (SCE) contracted with Parks Environmental Consulting, Inc. (Parks) to conduct an inspection and sampling for asbestos-containing materials (ACM) in the vacant duplex located at 591 La Fond Ave., St. Paul, Minnesota.

Mr. Tim Marxhausen of Parks conducted the asbestos materials inspection, audit and sampling at the site January 13, 2012. Accessible interior and exterior building materials were surveyed, suspect asbestos materials were sampled in general accordance with EPA-AHERA sampling rules, samples were analyzed for asbestos content, and this report was then prepared.

Asbestos Materials

The following materials were found to contain asbestos:

TABLE 1 – Summary of Asbestos Containing Building Materials				
Sample Number	Description	Location	Friable	Approx. Amount
LIN-07	Linoleum – green stone pattern	Upper Level - Bathroom	Yes	40 SF
SU-01	Sink Undercoat - black	Basement	No	1 SF
T-01	Transite Exterior Siding Shingles	House Exterior	No	UND

SF= Square Feet UND = Undetermined

Approximately 22 types of suspect asbestos materials were sampled and tested. Of these materials, only the above listed materials were found to contain asbestos.

Details of the site inspection and sampling are provided in the following sections. A table listing each sampled suspect asbestos homogeneous material, its location and analytical result is located in Section 4.0 of this report, as is a table special waste materials. The laboratory reports are included in Appendix A.

2.0 Background

SCE requested that Parks assist with the evaluation of building materials suspected to contain asbestos in the vacant duplex located at 591 La Fond Ave., St. Paul, Minnesota. Parks inspected the building for suspect asbestos materials, sampled such materials, facilitated sample analysis by an outside laboratory, compiled the data, and prepared this report.

On January 13, 2012, Tim Marxhausen, Minnesota Department of Health (MDH) Certified Asbestos Inspector #AS-2271, inspected the building for suspect ACM. Parks collected 46 building material samples for asbestos analysis. The samples were analyzed at Schneider Laboratories in Richmond, Virginia.

Asbestos Material Sampling

The following types of building materials were considered, for the purposes of this survey, suspect ACM, and thus sampled:

- 12" Vinyl Floor Tile and Adhesive (two types)
- Linoleum (seven types)
- Acoustical Ceiling Tile (six types)
- Attic Insulation
- Chimney Mortar Patch
- Transite Siding Shingles
- Flooring Underlayment Paper
- Wall and Ceiling Plaster
- Sink Undercoat
- Window Glazing/Putty

A Site Sketch indicating sample locations is provided in Appendix B.

3.0 Methods

Material samples were analyzed for asbestos content by Polarized Light Microscopy, EPA Method 600/R-93/116, at Schneider Laboratories, Richmond, Virginia. Schneider's laboratory is accredited for asbestos bulk material analysis under the National Institute of Sciences' National Voluntary Laboratory Accreditation Program (NVLAP). The analytical method's lower detection limit is one-percent asbestos by volume. The method provides a visual estimation of asbestos in the material sample.

4.0 Data and Findings Summary

The following table summarizes sampled suspect asbestos materials with their locations, and analytical results. Materials other than those listed here, and not sampled, were either: 1) not considered suspect for asbestos content (e.g. fiberglass insulation, concrete, brick, plastic); or, 2) inaccessible, such as materials in wall cavities, under finish materials, in confined spaces or locked rooms/areas. If suspect asbestos containing materials other than those listed and sampled below are discovered at the site, they should be considered asbestos containing until testing proves otherwise.

TABLE 2 – Identified and Sampled Suspect ACM			
Sample Number	Material Description	Location	Results
AINS-01A, B, C	Attic Insulation – Blown-in beige fibrous	Attic	Non-Asbestos

TABLE 2 – Identified and Sampled Suspect ACM			
Sample Number	Material Description	Location	Results
CM-01A, B	Chimney Mortar Patch - gray	Basement – on chimney where flues enter	Non-Asbestos
CT-01A, B, C	Acoustical Ceiling Tile – 12" square tongue & groove, wormhole and pinhole finish	Lower Unit – Kitchen, Back Hall, Bedroom 1	Non-Asbestos
CT-02A, B	Acoustical Ceiling Tile – 12" square tongue & groove, smooth finish	Lower Unit – Bedrooms 3 & 4	Non-Asbestos
CT-03A, B	Acoustical Ceiling Tile – 12" square tongue & groove, smooth finish	Lower Unit – Back Entry, Bedroom 2	Non-Asbestos
CT-04	Acoustical Ceiling Tile – 12" square tongue & groove, rough finish	Lower Unit – Patch Tile in Bedroom 1	Non-Asbestos
CT-05A, B	2' x 4' Lay-in Acoustical Ceiling Tile – smooth finish	Basement – all rooms	Non-Asbestos
CT-06A, B, C	Acoustical Ceiling Tile – 12" square tongue & groove, smooth finish	Upper Unit – Kitchen, Living Room, Bedroom 2	Non-Asbestos
FT-01A, B	12" Vinyl Floor Tile, beige marble pattern with tan Adhesive	Lower Unit – Kitchen	Non-Asbestos
FT-02	Vinyl Floor Tile, wood grain with tan Adhesive	Upper Unit – Pantry	Non-Asbestos
LIN-01A, B	Linoleum – yellow stone mottle pattern	Lower Unit – Kitchen (under FT-01)	Non-Asbestos
LIN-02A, B	Linoleum – cream/beige	Lower Unit – Kitchen by dining room (under FT-01)	Non-Asbestos
LIN-03A, B	Linoleum – gray 2" squares pattern	Lower Unit – Bathroom	Non-Asbestos
LIN-04A, B	Linoleum – green/black/yellow stones pattern	Lower Unit – Porch (under carpet)	Non-Asbestos
LIN-05	Linoleum – red	Lower Unit – Back stairs landing	Non-Asbestos
LIN-06A, B	Linoleum – green/red/black mottle	Upper Unit – Kitchen	Non-Asbestos
LIN-07A, B	Linoleum – green stones pattern	Upper Unit – Bathroom	Asbestos 20% Chy

TABLE 2 – Identified and Sampled Suspect ACM			
Sample Number	Material Description	Location	Results
RS-01A, B	Roof Shingle (gray/black)	Roof	Non-Asbestos
PL-01A, B, C, D, E, F	Wall and Ceiling Plaster	Throughout	Non-Asbestos
SU-01	Sink Undercoat – black	Basement	Asbestos 5% Chy
T-01	Transite Siding Shingles	Exterior Siding on House	Asbestos 20% Chy
UL-01A, B	Flooring Paper Underlayment, beige	Lower Unit – Bedroom 2	Non-Asbestos
WG-01A, B	Window Glazing/Putty	Some Exterior Windows	Non-Asbestos

Chy = Chrysotile Asbestos

5.0 Recommendations

Prior to renovation or demolition, an asbestos abatement contractor should properly remove the asbestos linoleum and sink undercoat. These materials may present a hazard to persons during construction and cannot be disposed in a general construction debris landfill.

The Asbestos Siding should not be sawed, drilled, broken, crushed or otherwise abraded; it cannot be disposed in a general construction debris landfill.

The above are general and limited asbestos recommendations. MDH, (EPA), and Occupational Safety and Health Administration (OSHA) rules and guidelines for asbestos should be referenced prior to disturbance of asbestos materials.

6.0 Inspection and Sampling Limitations

It is possible that some suspect asbestos, or asbestos containing, materials and hazardous materials were not identified during the course of the inspection at this site. Such unidentified materials would be those that are hidden from view, such as floor tile under floor tile or carpet, pipe or duct insulation in wall cavities, materials out of reach in high ceiling areas, materials located under or behind finish materials. Building materials known to possibly contain asbestos which were not sampled as part of this survey should be assumed to be asbestos containing until proven otherwise.

This document is an initial pre-renovation asbestos survey based on one site visit that included sampling of select materials. This inspection and sampling occurred in January;

the house had no heat, electricity or water service. It is not an asbestos or hazardous material abatement scope of work. This document, associated drawing, lab report and attachments are not intended to be environmental bid specifications for the referenced site.

Material samples were analyzed by an independent outside laboratory; the results of their analyses are presented herein. While we choose an established, reputable and certified lab to perform the sample analysis, Parks does not warrant the accuracy of the laboratory results.

The information contained in this report represents Parks' best efforts to determine the presence of asbestos containing and other hazardous materials at the site given the site conditions. A copy of the MDH asbestos inspector's certification card is in Appendix D.

Parks Environmental Consulting, Inc.



January 26, 2012

Tim Marxhausen
Project Manager
MDH Certified Asbestos Inspector #AI2271

Date

APPENDIX A

ASBESTOS LABORATORY REPORT

SCHNEIDER LABORATORIES GLOBAL

INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • (FAX) 804-359-1475

Over 25 Years of Excellence in Service and Technology

AIHA/ELLAP 100527, ISO/IEC 17025, NVLAP 101150-0, VELAP 460135, NYELAP/NELAC 11413

LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method¹ 600/R-93/116

Using SLI A6

ACCOUNT #: 3556-12-52
CLIENT: St. Croix Environmental, Inc.
ADDRESS: 1094 Golden Oaks Drive
Hudson, WI 54016

DATE COLLECTED: 1/13/2012
DATE RECEIVED: 1/18/2012
DATE ANALYZED: 1/19/2012
DATE REPORTED: 1/20/2012

PROJECT NAME: 591 LaFond Ave

JOB LOCATION: St. Paul, MN

PROJECT NO.:

PO NO.:

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
AINS-01A	31322186			
Layer 1:	Insulation Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
AINS-01B	31322187			
Layer 1:	Insulation Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
AINS-01C	31322188			
Layer 1:	Insulation Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
CM-01A	31322189			
Layer 1:	Ceiling Material Gray, Hard		None Detected	100% NON FIBROUS MATERIAL
CM-01B	31322190			
Layer 1:	Ceiling Material Gray, Hard		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
CT-01A	31322191			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
CT-01B	31322192			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
CT-01C	31322193			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
CT-02A	31322194			
Layer 1:	Ceiling Tile Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
CT-02B	31322195			
Layer 1:	Ceiling Tile Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
CT-03A	31322196			
Layer 1:	Ceiling Tile Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
CT-03B	31322197			
Layer 1:	Ceiling Tile Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
CT-04	31322198			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
CT-05A	31322199			
Layer 1:	Ceiling Tile Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
CT-05B	31322200			
Layer 1:	Ceiling Tile Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
CT-06A	31322201			
Layer 1:	Ceiling Tile Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
CT-06B	31322202			
Layer 1:	Ceiling Tile Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
CT-06C	31322203			
Layer 1:	Ceiling Tile Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
FT-01A	31322204			
Layer 1:	Floor Tile Gray, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
FT-01B	31322205			
Layer 1:	Floor Tile Gray, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
FT-02	31322206			
Layer 1:	Floor Tile Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
LIN-01A	31322207			
Layer 1:	Linoleum Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
LIN-01B	31322208			
Layer 1:	Linoleum Beige, Org.Bound/Fibrous No Mastic Found.		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
LIN-02A	31322209			
Layer 1:	Linoleum White/Beige, Organically Bound No Mastic Found.		None Detected	100% NON FIBROUS MATERIAL
LIN-02B	31322210			
Layer 1:	Linoleum White/Beige, Organically Bound No Mastic Found.		None Detected	100% NON FIBROUS MATERIAL
LIN-03A	31322211			
Layer 1:	Linoleum Beige/Brown, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
LIN-03B	31322212			
Layer 1:	Linoleum Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
LIN-04A	31322213			
Layer 1:	Linoleum Black/Red, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Mastic		None Detected	100% NON FIBROUS MATERIAL
	Brown, Brittle			
LIN-04B	31322214			
Layer 1:	Linoleum		None Detected	35% CELLULOSE FIBER
	Black/Red, Org.Bound/Fibrous			15% MINERAL/GLASS WOOL
				50% NON FIBROUS MATERIAL
Layer 2:	Mastic		None Detected	100% NON FIBROUS MATERIAL
	Brown, Brittle			
LIN-05	31322215			
Layer 1:	Linoleum		None Detected	35% CELLULOSE FIBER
	Beige/Black, Org.Bound/Fibrous			15% MINERAL/GLASS WOOL
				50% NON FIBROUS MATERIAL
Layer 2:	Mastic		None Detected	100% NON FIBROUS MATERIAL
	Tan, Brittle			
LIN-06A	31322216			
Layer 1:	Linoleum		None Detected	35% CELLULOSE FIBER
	Beige/Black, Org.Bound/Fibrous			15% MINERAL/GLASS WOOL
				50% NON FIBROUS MATERIAL
Layer 2:	Mastic		None Detected	100% NON FIBROUS MATERIAL
	Tan, Brittle			
LIN-06B	31322217			
Layer 1:	Linoleum		None Detected	35% CELLULOSE FIBER
	Beige/Black, Org.Bound/Fibrous			15% MINERAL/GLASS WOOL
				50% NON FIBROUS MATERIAL
Layer 2:	Mastic		None Detected	100% NON FIBROUS MATERIAL
	Brown, Brittle			
LIN-07A	31322218			
Layer 1:	Linoleum		20% CHRYSOTILE	20% CELLULOSE FIBER
	Beige, Org.Bound/Fibrous			10% MINERAL/GLASS WOOL
				50% NON FIBROUS MATERIAL
Layer 2:	Mastic		None Detected	100% NON FIBROUS MATERIAL
	Brown, Soft			

Total Number of Pages in Report: 7

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
LIN-07B	31322219			
Layer 1:	Linoleum Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
Layer 2:	Mastic Brown, Soft		None Detected	100% NON FIBROUS MATERIAL
PL-01A	31322220			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
PL-01B	31322221			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
PL-01C	31322222			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
PL-01D	31322223			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
PL-01E	31322224			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL

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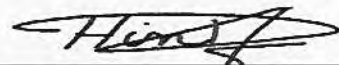
Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Skim Coat		None Detected	100% NON FIBROUS MATERIAL
	White, Granular			
PL-01F	31322225			
Layer 1:	Drywall		None Detected	4% CELLULOSE FIBER
	White, Powdery			96% NON FIBROUS MATERIAL
	Sample not as described on COC.			
SU-01	31322226			
Layer 1:	Bituminous Material		5% CHRYSOTILE	95% NON FIBROUS MATERIAL
	Black, Bituminous			
T-01	31322227			
Layer 1:	Underlayment		20% CHRYSOTILE	80% NON FIBROUS MATERIAL
	Gray, Hard			
UL-01A	31322228			
Layer 1:	Underlayment		None Detected	35% CELLULOSE FIBER
	Beige, Org.Bound/Fibrous			15% MINERAL/GLASS WOOL
				50% NON FIBROUS MATERIAL
Layer 2:	Mastic		None Detected	100% NON FIBROUS MATERIAL
	Brown, Brittle			
UL-01B	31322229			
Layer 1:	Underlayment		None Detected	35% CELLULOSE FIBER
	Beige, Org.Bound/Fibrous			15% MINERAL/GLASS WOOL
				50% NON FIBROUS MATERIAL
Layer 2:	Mastic		None Detected	100% NON FIBROUS MATERIAL
	Brown, Brittle			
WG-01A	31322230			
Layer 1:	Window Glazing		None Detected	100% NON FIBROUS MATERIAL
	Beige, Granular			
WG-01B	31322231			
Layer 1:	Window Glazing		None Detected	100% NON FIBROUS MATERIAL
	Beige, Granular			



Analyst:

MOHAMMED B. HASHIM

Reviewed By:



Hind Eldanaf, Microscopy Supervisor

Total Number of Pages in Report: 7

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ST. CROIX ENVIRONMENTAL ASBESTOS BULK SAMPLE REQUEST FORM

Golden Oaks Drive, Hudson, WI 55 Telephone: (715) 381-5701 Page 1 of 1

LABORATORY: SCHNEIDER LABORATORIES, INC. 2512 West Cary Street, Richmond, VA 23220 800-785-5227 ST. CROIX ACCT #:

CLIENT NAME & ADDRESS

City of St. Paul

Site: House at 591 LaFond Ave., St. Paul, MN

Sampled by: Tim Marchausen (MDH AL-2271)

Turnaround Time: 3 DAY

Analysis: PLM Standard

Special Instructions: Fax results to St. Croix and Parks Environmental

Project No.

Sample Number	Sample Number	Sample Number	Sample Number	Sample Number
AINS-01A	CT-03A	FT-02	LIN-06A	SU-01
AINS-01B	CT-03B	LIN-01A	LIN-06B	T-01
AINS-01C	CT-04	LIN-01B	LIN-07A	UL-01A
CM-01A	CT-05A	LIN-02A	LIN-07B	UL-01B
CM-01B	CT-05B	LIN-02B	PL-01A	WG-01A
CT-01A	CT-06A	LIN-03A	PL-01B	WG-01B
CT-01B	CT-06B	LIN-03B	PL-01C	
CT-01C	CT-06C	LIN-04A	PL-01D	
CT-02A	FT-01A	LIN-04B	PL-01E	
CT-02B	FT-01B	LIN-05	PL-01F	

Sampled & Relinquished by: Tim Marchausen

Received by:

Date & Time 1-17-12 UPS Date & Time Scaled Condition Yes / No

UPS 3465-5



APPENDIX B

SITE SKETCH WITH SAMPLE LOCATIONS

Environmental Consulting, Inc.
4749 Chicago Avenue S.
Minneapolis, MN 55407

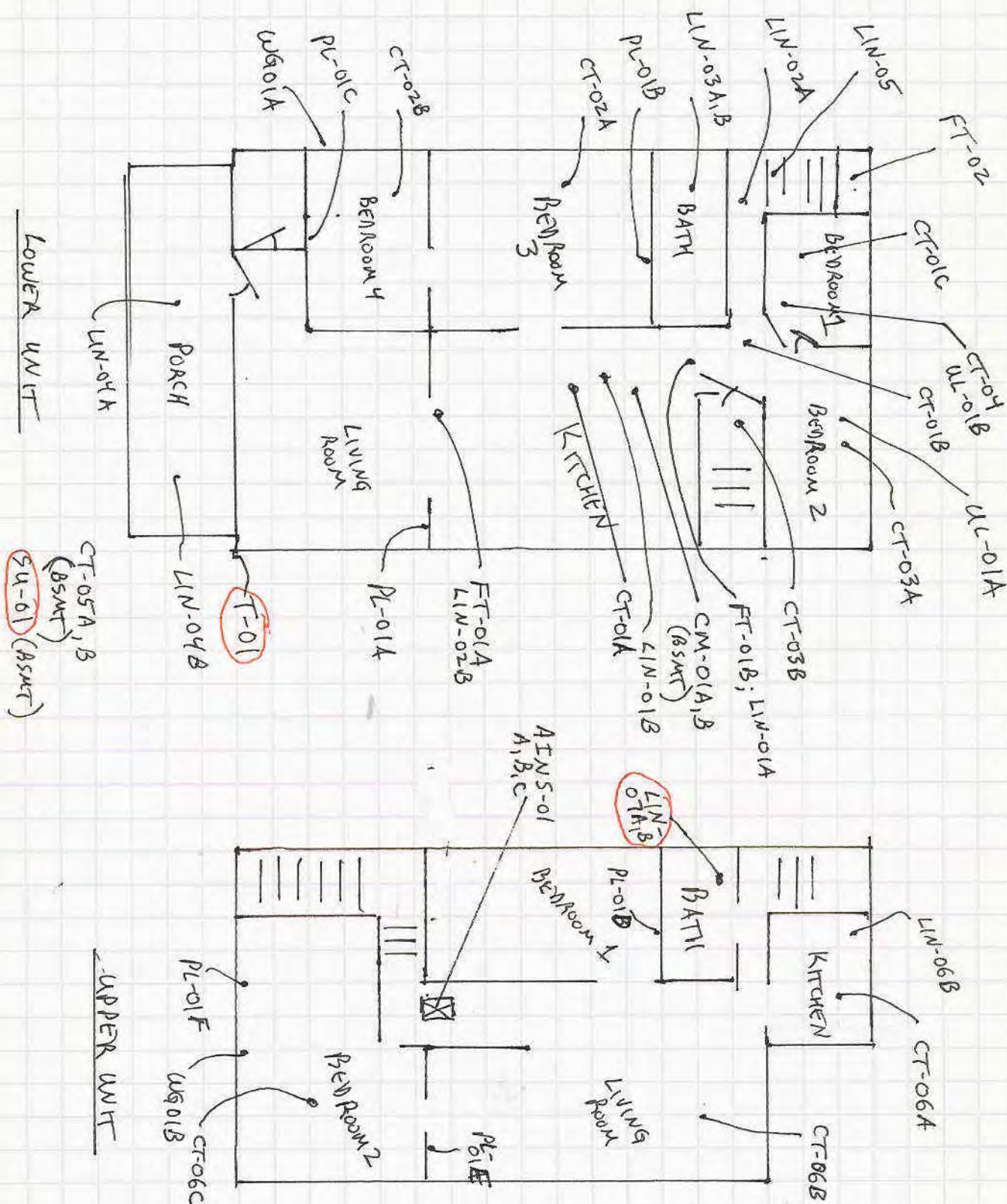
Project No. 9360Page 1 of 1

Project Name SCE / DPED

By Tim M.

Date 1-13-12

Subject ASBESTOS SURVEY - 591 LAFOND AVE



APPENDIX C

INSPECTOR CERTIFICATION CARD



**ASBESTOS
INSPECTOR**

Certified by:
State of Minnesota
Department of Health

Expires: 04/21/2012

Timothy J Marxhausen
4805 Elliot Ave
Minneapolis, MN 55417

Linda S. Bremer
Director, Env. Health Div.

No. A12271

Issued: 05/04/2011

Midwest Environmental Consulting, L.L.C.



January 27, 2012

Kevin Miller
St. Croix Environmental, Inc.
1094 Golden Oaks Drive
Hudson WI 54016

RE: HUD Lead-Based Paint Inspection and Risk Assessment at the Duplex I
Property, 591 LaFond Avenue, St. Paul, Minnesota (St. Croix Environmental
Phone: 715-381-5701)

Dear Kevin Miller:

At the request of St. Croix Environmental, Midwest Environmental Consulting, L.L.C. (MEC) performed a HUD lead-based paint inspection and risk assessment of the duplex residential property located at 591 LaFond Avenue, St. Paul, Minnesota on January 24, 2012.

Andrew Myers, MEC, Minnesota-licensed lead risk assessor (MN LR #578) performed all field work associated with this project. MEC credentials can be found in Appendix A.

The purpose of this project was to determine whether lead-based paint or other lead hazards are present on the interior or exterior surfaces of the residential property. This report contains the results of the HUD lead-based paint inspection and risk assessment. No dust wipe samples or bare soil samples were collected as a part of this evaluation at the request of St. Croix Environmental.

The inspection was conducted following the Housing and Urban Development (HUD) *"Guidelines for the Evaluation and Control of Lead-Based Paint in Housing,"* using Chapter 5 and the October 1997 revised Chapter 7 protocols. The sampling criteria used are those outlined in the HUD Standards 24 CFR Part 35 et al, *"Requirements for Notification Evaluation and Education of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance."* No lead dust wipes or soil samples were collected as a part of this evaluation at the request of St. Croix Environmental, Inc. and Parks Environmental Consulting, Inc.

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing.

SITE DESCRIPTION

The duplex residential property located at 591 LaFond Avenue, St. Paul, Minnesota is a two story wood framed structure built on a concrete foundation/basement constructed in approximately the early 1900's. The walls & ceilings are a combination of plaster, drywall, wood paneling and some pressed fiber ceiling tile. The window systems are original vintage double hung wood windows throughout. Interior millwork is original vintage throughout. The exterior has wood slate siding with wood fascia, soffits & trim. There is a detached wood framed & sided garage at the rear of the property with alley access.

All original vintage millwork can be considered positive for lead. All original vintage double hung windows can be considered positive for lead. The 2nd floor windows are all original vintage double hung windows.

Bare soil was not observed on the day of the site evaluation due to snow cover. The house is currently vacant.

RESULTS OF PAINT INSPECTION

MEC used a paint inspection sampling strategy as described in the HUD *Guidelines* (1995 and revised Chapter 7 in October 1997). The results of portable X-Ray Fluorescence (XRF) spectrum analysis of representative building components in each functional area or room are shown in Appendix B. Results are organized and shown in actual sequence of analysis. All tests were made using a Niton® XLp 306 X-Ray Fluorescence Spectrum Analyzer (Serial # 22554).

XRF analytical results in Appendix B, in the column labeled "Results" represent lead concentrations per square centimeter of painted surface (mg/cm²).

HUD regulations 24 CFR Part 35 et al, the HUD *Guidelines* and the Minnesota Department of Health (MDH) define the paint action level as lead concentrations at or above the level of 1.0 mg/cm² when measured with a portable XRF instrument (0.5% by weight when measured by laboratory methods).

The lead-based paint risk assessment protocol described in the HUD *Guidelines* and the EPA regulations rely on evaluation of surface coatings meeting the definition of poor, planned renovations, presence of dust and soil above current EPA and Minnesota Department of Health (MDH) Standards.

Tests are performed on each test combination. A test combination consists of unique combinations of substrate, color, building component, and location.

XRF results are classified as positive or negative. A positive classification indicates that lead is present on the testing combination at or above the HUD standards. It's important to note that the limited inspection of surfaces tested only applies to those surfaces areas tested and does not meet the requirements of a full HUD lead-based paint inspection and those surface areas not tested would be assumed to contain lead-based paint.

Appendix B includes a record of XRF calibration checks. Those checks were performed on thin films supplied by the XRF manufacturer; they contain known concentrations of lead. The graphs in that appendix show the variation of quality control with time. The assays in the table of raw data (Appendix B) that are labeled "Calibrate" indicate that they are for quality control. Additional quality control data and information are available to you upon request.

Side A: North, faces LaFond Avenue
Side B: East, faces residential properties
Side C: South, faces alley
Side D: West, faces residential properties

Specific building components determined to have a lead concentration above the action level of (1.0 mg/cm²) are listed below:

LOCATION	COMPONENT
Porch	Painted wood door components
Porch	Painted wood window components
Porch	Painted wood walls & trim
Porch	Vinyl floor
Unit 1 - Entry	Painted wood baseboards
Unit 1 - Living Room	Painted wood window components
Unit 1 - Bedroom 1	Painted plaster walls & ceilings (including closet walls)
Unit 1 - Bedroom 1	Painted wood closet shelf supports
Unit 1 - Bedroom 1	Painted closet baseboards
Unit 1 - Bedroom 1	Painted closet door components
Unit 1 - Bedroom 1	Painted wood window components
Unit 1 - Hall	Painted wood door

Unit 1 - Hall	Painted wood wall
Unit 1 - Hall	Painted plaster ceiling
Unit 1 - Side Entry	Painted wood ceiling & varnished walls
Unit 1 - Side Entry	Painted wood floor
Unit 1 - Bathroom	Bath tub
Unit 1 - Bathroom	Painted wood baseboards
Unit 1 - Bathroom	Painted wood window components
Unit 1 - Bathroom	Painted wood door & door components
Unit 1 - Bathroom	Painted drywall wall
Unit 1 - Den	Painted wood floor
2 nd Floor Living Room	Painted drywall ceiling
Unit 1 - Bedroom 2	Painted wood wall
Stairway to basement	Painted wood door & door components
Stairway to basement	Painted wood baseboards & ledge
Stairway to basement	Painted wood hand rail
Stairway to basement	Painted wood stair riser
Stairway to basement	Painted wood window
Stairway to basement	Painted plaster wall
Laundry	Painted wood doors & door components
Basement - Room 1	Painted wood door
Basement - Room 1	Painted wood window
Basement - Room 1	Painted wood columns
Basement - Room 2	Painted drywall wall
Furnace Room	Painted wood door components
Furnace Room	Painted wood window
Furnace Room	Painted wood columns

Basement - Bathroom	Bath tub
Back Stairway - all floors	Painted wood doors & door components
Back Stairway - basement	Painted wood wall
Back Stairway - 1 st floor	Painted wood floor
Back Stairway - 1 st floor	Painted wood stair treads & riser
Back Stairway - 2 nd floor	Painted wood baseboards
Back Stairway - 2 nd floor	Painted wood window components
Back Stairway - 2 nd floor	Painted wood walls & ceiling
Front Stairway - 2 nd floor	Painted wood baseboards
Front Stairway - 2 nd floor	Painted wood stair treads & riser
Front Stairway - 2 nd floor	Painted wood window components
Front Stairway - 2 nd floor	Painted wood cornice
Unit 2 - Hall	Painted wood attic door
Unit 2 - Hall	Painted wood baseboards
Unit 2 - Hall	Painted wood doors & door components (including closet door)
Unit 2 - Bedroom 1	Painted wood doors & door components
Unit 2 - Bedroom 1	Painted wood baseboards
Unit 2 - Bedroom 1	Painted wood window components
Unit 2 - Living Room	Painted wood door & door components
Unit 2 - Living Room	Painted wood cornice
Unit 2 - Living Room	Painted wood baseboards
Unit 2 - Living Room	Painted wood window components
Unit 2 - Bedroom 2	Painted plaster walls & ceilings (including closet)
Unit 2 - Bedroom 2	Painted wood closet door
Unit 2 - Bedroom 2	Varnished wood closet shelf support

Unit 2 - Kitchen	Pressed fiber ceiling tile (depth index indicates lead beneath the tile - probably on original plaster)
Unit 2 - Kitchen	Painted plaster walls (including closet)
Unit 2 - Kitchen	Painted wood closet shelf
Unit 2 - Bathroom	Bathtub
Unit 2 - Bathroom	Walls
Exterior	Painted wood window & window components
Exterior	Painted wood soffits, fascia & trim
Exterior	Painted wood drip board
Exterior	Painted wood siding
Throughout	All original vintage millwork
Throughout	All original vintage window components

Also included in Appendix B of this report is a rating of the condition of paint on components (column titled "Condition"). Comments on the condition include:

Intact: good condition; **Fair:** less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; **Poor:** more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

RESULTS OF LEAD RISK ASSESSMENT

The risk assessment portion of this investigation involved collecting information about the property through a visual inspection of the dwelling and reviewing paint test data. No lead dust wipe samples or bare soil samples were collected during this risk assessment. It will be assumed that lead dust hazards are above the defined action levels. It is also assumed that if bare soil is present that the bare soil levels are above the defined action levels.

- The date of construction of the residence is approximately the 1900's.
- The property is a duplex residential property
- Windows are primarily original vintage double hung wood windows..
- Exterior siding, soffits, fascia & trim are wood.

- Interior walls & ceilings are a combination of plaster, drywall & wood paneling.
- There is a detached wood framed & sided garage with alley access.
- Bare soil was not observed due to snow cover.
- The property is currently vacant.

Visual Inspection

MEC conducted an inspection of painted and varnished surfaces on the interior and exterior of the residence. Emphasis was placed on chewable surfaces within 5 feet of the ground or floor.

The results of the visual inspection indicate that the exterior and interior of the structure is almost entirely in poor condition.

Please note, however, the condition report within the XRF table for painted or varnished surfaces found to be fair or poor, that were below the 1.0 mg/cm² action level.

Dust wipe and bare soil samples were not collected from the residence as a part of this evaluation at the request of St. Croix Environmental and will be assumed to be above defined MDH/HUD lead hazard levels. Water and sodium rhodizonate swabs were also not collected as part of this project.

RECOMMENDATIONS

Lead-based paint or lead hazards were found during the inspection and risk assessment of the property including original vintage painted interior & exterior wood windows; all interior original vintage millwork including windows, doors, baseboards etc.; painted wood porch components; painted plaster walls & ceilings; bath tubs; painted wood paneling, ceramic tile and exterior siding & trim.

At the request of the City of St. Paul, only abatement options are provided for lead hazards identified during this evaluation. Abatement options can include removal of building components to the substrate and replacement with new lead free products; enclosure of building components under dust tight barriers, encapsulation or removal of coatings to the substrate and re-coating with lead free coatings.

Porch:

Painted wood doors & door components: In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood walls & trim: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Vinyl floor: In poor condition.

- Option 1: Remove vinyl flooring using Lead Safe Work Practices and replace with new lead free flooring materials.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings under vinyl to substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Unit 1- Entry:Painted wood baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose baseboards under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring..
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Unit 1 - Living Room:Painted wood window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Unit 1 - Bedroom 1:

Painted plaster walls & ceiling (including closet): In poor condition.

- Option 1: Remove ceiling system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Varnished wood closet shelf supports: In intact condition.

- Option 1: Remove shelf supports using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Varnished wood closet baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose baseboards under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring..
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood closet door components: In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Unit 1 - Hall:

Painted wood door components: In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood walls: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings

Painted plaster ceiling: In poor condition.

- Option 1: Remove ceiling system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings

Unit 1 - Side Entry:

Painted wood walls & ceiling: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood floor: In poor condition.

- Option 1: Remove floor to sub-floor using Lead Safe Work Practices and replace

- with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Unit 1 - Bathroom:

Bathtub: In fair condition.

- Option 1: Remove tub using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose tub with a lead free tub surround and include into an Operation & Maintenance Plan with ongoing monitoring.

Painted wood baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose baseboards under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring..
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood door components: In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted drywall walls: In poor condition.

- Option 1: Remove wall system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.

Unit 1 - Den:

Painted wood floor: In poor condition.

- Option 1: Remove floor to sub-floor using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Unit 1 - Bedroom 2:

Painted wood walls: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Stairway to Basement:

Painted wood door components: In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards & ledge: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose baseboards under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring..
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood handrail: In poor condition.

- Option 1: Remove handrail using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to substrate using Lead Safe Work Practices and re-

coat with lead free coatings.

Painted wood riser: In poor condition.

- Option 1: Remove stair riser system using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster wall: In poor condition.

- Option 1: Remove wall system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Laundry:

Painted wood doors & door components: In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Basement - Room 1:

Painted wood door components: In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work

- Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood columns: In poor condition.

- Option 1: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 2: Remove coatings to substrate using Lead Safe Work Practices and re-coat with lead free coatings.
- Option 3: Remove columns using Lead Safe Work Practices and replace with new lead free products.

Furnace Room:

Painted wood door components: In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood columns: In poor condition.

- Option 1: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 2: Remove coatings to substrate using Lead Safe Work Practices and re-coat with lead free coatings.
- Option 3: Remove columns using Lead Safe Work Practices and replace with new lead free products.

Basement Bathroom:

Bathtub: In poor condition.

- Option 1: Remove tub using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose tub with a lead free tub surround and include into an Operation & Maintenance Plan with ongoing monitoring.

Back Stairway:

Painted wood door components on all levels: In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work

Practices and replace with new lead free components.

- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood walls on lower level & upper level: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood floor on Level 1: In poor condition.

- Option 1: Remove floor to sub-floor using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood stair treads & riser on Level 1: In poor condition.

- Option 1: Remove stair riser system using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose baseboards under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring..
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components on Level 2: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster ceiling on Level 2: In poor condition.

- Option 1: Remove ceiling system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Front Stairway:Painted wood baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose baseboards under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring..
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood stair treads & riser on Level 2: In poor condition.

- Option 1: Remove stair riser system using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood cornices: In poor condition.

- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components on Level 2: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Unit 2 - Hall:Painted wood attic door & door components: In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose baseboards under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring..
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood door components (including closet door): In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Unit 2 - Bedroom 1:Painted wood door components (including closet door): In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose baseboards under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring..
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Unit 2 - Living Room:Painted wood door components (including closet door): In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood cornices: In poor condition.

- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Unit 2 - Bedroom 2:Painted plaster walls & ceiling (including closet walls): In poor condition.

- Option 1: Remove ceiling system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood door components (including closet door): In poor condition.

- Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Varnished wood closet shelf supports: In poor condition.

- Option 1: Remove shelf supports using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster ceiling: In poor condition.

- Option 1: Remove ceiling system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Unit 2 - Kitchen:

Painted plaster walls (including closet walls): In poor condition.

- Option 1: Remove wall system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Pressed fiber ceiling tile - lead is likely on original plaster beneath the tile: In poor condition.

- Option 1: Remove ceiling system using Lead Safe Work Practices and replace with new lead free products.
- Option 4: Remove coatings under tile to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood closet shelf: In poor condition.

- Option 1: Remove shelf supports using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Unit 2 - Bathroom:

Bathtub: In poor condition.

- Option 1: Remove tub using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose tub with a lead free tub surround and include into an Operation & Maintenance Plan with ongoing monitoring.

Pressed fiber ceiling tile - lead is likely on original plaster beneath the tile: In poor condition.

- Option 1: Remove ceiling system using Lead Safe Work Practices and replace with new lead free products.
- Option 4: Remove coatings under tile to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster walls: In poor condition.

- Option 1: Remove wall system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Exterior:

Painted wood window components In poor condition.

- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier such as aluminum window cladding and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood siding, soffits, fascia, & trim: In poor condition.

- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free products.

- Option 2: Enclose under dust tight barriers using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Lead Dust Hazards

No lead dust wipes were collected as a part of this evaluation. It is assumed that lead dust is a hazard throughout the property and that dust levels within the complex above the Minnesota Department of Health, the Housing and Urban Development (HUD) and the Environmental Protection Agency (EPA) lead dust levels of 40 micrograms per square foot ($\mu\text{g}/\text{ft}^2$) for a floor surface, 250 $\mu\text{g}/\text{ft}^2$ for a window sill (stool) surface, and 400 $\mu\text{g}/\text{ft}^2$ for a window well (trough) surface. All window systems and floors will be required to be cleaned with a good household cleaner and wet methods.

Lead in Bare Soil

Bare soil was not observed on the date of the site evaluation due to snow cover. No bare soil samples were collected as a part of this evaluation. If bare soil is present, it is assumed to be above the Minnesota Department of Health defined action level of 100 parts per million.

- Abatement Option 1: Removal of bare soil and replacement with new soil of 25 parts per million or less of lead.
- Abatement Option 2: Covering bare soil with asphalt, concrete or other impervious material.

When qualified contractors are performing the planned renovation/remodeling activities, precautions should be properly done to minimize the potential for lead-based paint contamination to the workers, occupants and the environment.

DISCUSSION

NOTE: All original vintage wood window systems and all original vintage millwork throughout the property is to be considered to contain lead-based paint above the standards.

The mere presence of lead-coated surfaces does not create a lead hazard. Maintenance of lead containing coatings will prevent lead from becoming a hazard. Lead-based paint above the action level of 1.0 mg/cm^2 was found on surfaces tested.

If exterior surfaces are to be remediated and because lead-coatings are present, covering the ground and providing adequate protection to soil is very important if bare soil is present.

Dust wipe samples were not collected lead dust levels are assumed to be above the action levels on floor and window surfaces as defined by MDH, HUD and EPA.

Contractors will be required to clean all floor systems and window surfaces throughout the complex for lead hazards in dust following and as a part of the planned restoration.

The preceding lead reduction recommendations include different ways to treat each lead hazard that was identified by the risk assessment/inspection. The most effective treatments are considered abatement and require little or no ongoing maintenance to preserve a lead safe environment. The less effective treatments are called interim controls and these treatments require an increased amount of ongoing maintenance to preserve a lead safe environment.

If no lead dust, soil, or lead-based paint is found, then no monitoring is required.

If no hazards are found, but lead-based paint is found, then reevaluation should occur every three years, and an owner's visual survey should occur annually.

If lead dust, soil, or lead-based paint hazards are found to be present, choosing the option with removal of all lead-based paint will result in no monitoring requirements. If abatement options are chosen that include enclosure, then no re-evaluation is required, but the owner should conduct visual surveys every year to ensure the enclosure has not failed. If the interim control options (stabilize and paint) are chosen, then re-evaluation should occur after the first year and then every two years after that. Visual surveys by the owner should occur annually. If the enclosure option is chosen, the owner must conduct a visual evaluation at (6) months and annually thereafter. If the encapsulation option is selected, the owner must conduct a visual evaluation at (1) month, then at (6) months and annually thereafter.

If lead dust levels are found to be more than ten times the standard levels, then reevaluation after interim control measures should occur six months after the hazard reduction.

In general, all painted surfaces should be monitored. A negative result does not necessarily indicate that no lead is present in that surface, but rather indicates that any lead present in that surface does not rise above the 1.0 mg/cm² threshold in the areas tested. Therefore, all painted surfaces should be maintained in accordance with the Minnesota Department of Health standards.

ROUGH ESTIMATED COSTS:

- Work site preparation for interior, approximately \$75.00 to \$250.00 per room.
- Window replacement, approximately \$150.00 and up, depending on style.

- Exterior preparation approximately \$35.00 to \$75.00 per component (i.e., windows, doors), removal or enclosure.
- Work area cleaning: \$0.15 to \$0.35 per square foot.
- Paint stabilization: \$0.20 to \$0.65 per square foot.
- Removal: Paint - chemical stripper: \$0.65 to \$1.50 square foot.
- Soil Remediation:
 - a. Clean-up of visible exterior paint chips: \$0.90 to \$1.35 square foot.
 - b. Seed and tack grass: \$0.45 to \$0.75 square foot.
 - c. Sod: \$1.25 to \$3.30 square foot.
 - d. Regrade at foundation and sod: \$3.00 to \$5.00 square foot.
 - e. Mulch - 4": \$0.50 to \$0.90 square foot.
 - f. Concrete: \$4.50 to \$8.00 square foot.
 - g. Replace soil: \$42.00 to \$65.00 cubic yard.

If work is going to be performed on these surfaces, individuals and/or contractors should be informed of the results of testing. At a minimum, the person(s) performing the work should follow the requirements of the Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.62, Lead in the Construction Industry.

For the protection of the occupants and workers, and because of the use of federal funds, you are required by the HUD rules to use qualified firms who are knowledgeable about the hazards associated with lead. Supervisor should be licensed and workers will be required to be licensed or certified, as MEC understands the scope of work.

Please maintain a copy of the lead inspection/risk assessment report for your records and provide a copy of the report to any contractors that may be involved in any future renovations or remodeling projects.

A copy of this lead inspection/risk assessment summary must be provided to purchasers or lessees (tenants) of this property under Federal Law (24 CFR Part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract.

The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards.

It has been our pleasure to provide this service to you and your organization. Please

contact me if you have questions relating to any aspect of this work.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Andrew Myers', with a long, sweeping horizontal stroke extending to the right.

Andrew Myers
Environmental Project Manager

APPENDIX A
INSPECTOR CREDENTIALS

Minnesota Department of Health

has authorized


Midwest Environmental Consulting, LLC
145 2nd Ave SE
Cambridge, Minnesota 55008

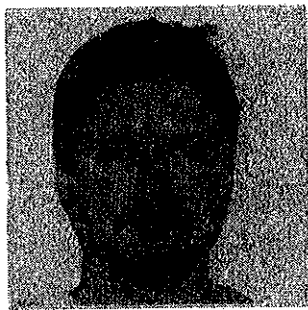
in accordance with Minnesota Statutes, section 144.9505 and Minnesota Rules, part 4761.2200,
to practice in the State of Minnesota as a

Certified Lead Firm

License No: LF551
Expires 03/28/2012

This certificate is nontransferable.


Linda B. Bruemmer, Director
Division of Environmental Health



Andrew J. Myers
Director, Env. Health Div.



LEAD
Risk Assessor

Licensed by:
State of Minnesota
Department of Health

License No. LR578
Expires 08/26/2012

Andrew J Myers
210 2nd St N
New Prague, MN 56071



Andrew J. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Lead Risk Assessor Refresher Training

August 25, 2011

given by

Midwest Environmental Consulting, L.L.C.

145 - 2nd Avenue SE, Cambridge, MN 55008

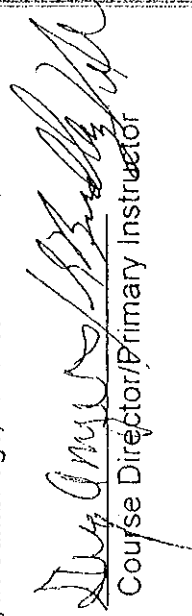
Phone: 763.691.0111

SUCCESSFULLY PASSED THE EXAMINATION ON August 25, 2011, IN Cambridge, MINNESOTA

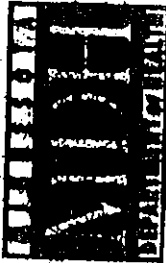
IDENTIFICATION NUMBER: MEC/LRAR 0847

Expiration Date: August 25, 2012

MDH Permit Number: RAR-006


Course Director/Primary Instructor

Approved by the State of Minnesota under Minnesota Rules, parts 4761.2000 to 4761.2700.



I-0031

Lead Inspector Independent Examination

121 East Seventh Place, Suite 220 • St. Paul • Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Inspector

March 22, 2001

Morris, Minnesota

This certificate is nontransferable.

Jan K. Malcom
Commissioner

Patricia A. Bloomgren

Patricia A. Bloomgren, Director
Division of Environmental Health

Andrew J. Myers

has completed the Minnesota-Approved Lead Training Course

Initial Lead Inspector Training
March 12-14, 2001

given by

Midwest Environmental Consulting, LLC
145 - 2nd Avenue SE, Cambridge, MN 55008

SUCCESSFULLY PASSED THE EXAMINATION ON MARCH 14, 2001, IN MORRIS, MINNESOTA

IDENTIFICATION NUMBER: SPECAT 0053
Expiration Date: March 14, 2002
ID# P-003

Andrew J. Myers
Course Director



RA-0239

Lead Risk Assessor Independent Examination

121 East Seventh Place, Suite 220 • St. Paul, Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Risk Assessor

June 26, 2001
Minneapolis, Minnesota

This certificate is nontransferable.

Jan K. Malcom
Commissioner

A handwritten signature in cursive script, reading "Patricia A. Bloomgren".

Patricia A. Bloomgren, Director
Division of Environmental Health

Andrew J. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Lead-Based Paint Risk Assessor Training

June 26-26, 2001

given by

Midwest Environmental Consulting, LLC
145 - 2nd Avenue SE, Cambridge, MN 55008

• SUCCESSFULLY PASSED THE EXAMINATION ON JUNE 26, 2001, IN MINNEAPOLIS, MINNESOTA

IDENTIFICATION NUMBER: MESA/PA 0111

Expiration Date: June 26, 2002

PAID FEE: PA1-992

Greg A. Myers
Course Director

APPENDIX B

**XRF TEST RESULTS
SAMPLING MAPS
DATA PAGES
CALIBRATION DATA**

Description of Column Titles

Site:	The sequential number of the site (homes or buildings) inspected on a particular day.
No:	The sequential XRF sample number for a given site.
XL No/Map:	The sample number recorded on the maps of a particular site.
Date:	Date that the XRF sample was analyzed.
Time:	Time of XRF sample analysis.
Floor:	The sample location floor level (0 = basement, 1 = first floor, 2 = second floor).
Room:	The specific location where the sample was analyzed on the site. Calibrate is also recorded in this column when appropriate.
Side:	Side of the room based on sampling methodology as described earlier in this report. The only four sides that can be designated are A, B, C, and D.
Structure:	This refers to the general building component that the test was performed on. It may also include modifications such as: upper, lower, exterior, interior, right, and left.
Feature:	Specifies additional information about a structure.
Condition:	Describes whether the surface being tested is Intact: good condition; Fair: less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; Poor: more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.
Substrate:	Refers to the material that the structure was made of, i.e., wood, concrete, drywall, etc.
Color:	Color of surface tested.
Result:	The lead concentration in mg/cm^2 as determined with L-shell and K-shell X-ray data.
PbL(mg/cm^2):	The lead concentration as determined with L-shell X-ray data.
RES:	Results: POS - above action level, NEG - below action level.
PbK:	The lead concentration in mg/cm^2 on the K-shell X-ray data spectrum.
PbC:	The combined lead concentration in mg/cm^2 of the L-shell and K-shell X-ray data spectrum.
Depth:	This is the index that is a qualitative indication of the depth of the lead in paint. As the number approaches 1, the lead is concentrated close to the top layers of paint. The largest number available for depth index is 10. The greater the number, the more likely interfering elements may have been detected.
Duration:	The length of the XRF sample analysis in seconds.
Inspector:	When multiple inspectors are used, this number indicates who sampled at the time indicated.
Note:	This refers to any notes that were collected during the analysis of the particular sample. Then can be found on the field data sheet titled "Lead-Based Paint Inspection Data Page."

SAMPLING METHODOLOGY

Buildings were systematically inspected for lead-based paints. The **A** side of the building is the side facing the street. Starting from the **A** side, the other sides are lettered consecutively (**B, C, D**), going clockwise around the building.

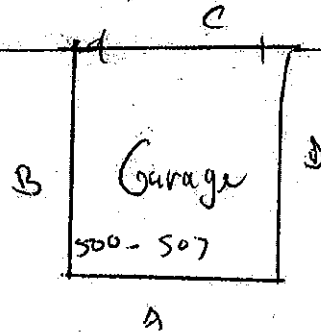
Inside the unit, each floor was assigned a number starting with **0** for the basement, **1** for the first floor, and **2** for the second floor.

Some rooms that are unique in the building are named on the inspection report. These would include things like pantry, kitchen, halls, bathrooms, and staircases. If there is more than one of a certain type of named room, then they are numbered (e.g., staircases to basements are numbered staircase 1, while staircases to the second floor are labeled staircase 2). Room numbering starts in the **A-D** corner of the building and continues clockwise from that point.

Within each room of the building, each of the sides of the room are named. The naming of walls in a room, for instance, follows the same pattern as that used on the exterior of the building, namely, the street side of each room is labeled **A**, and then clockwise from that wall, walls are labeled **B, C, D**.

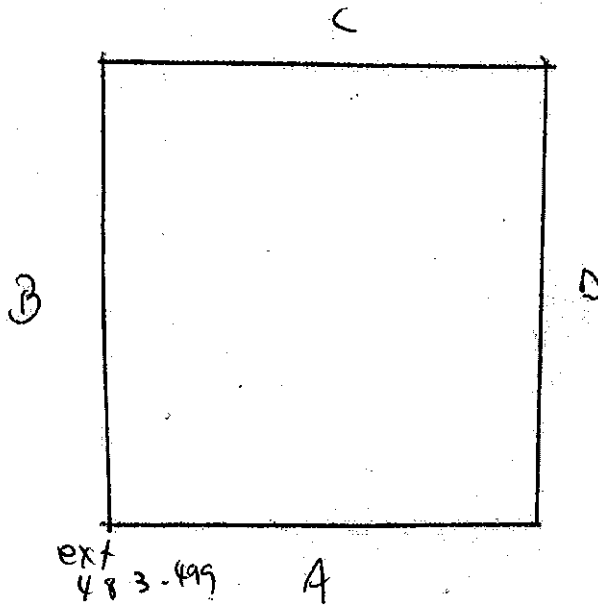
691 Lafond Avenue
St. Paul MN

Alley



not To Scale

Residential



Residential

Lafond Ave

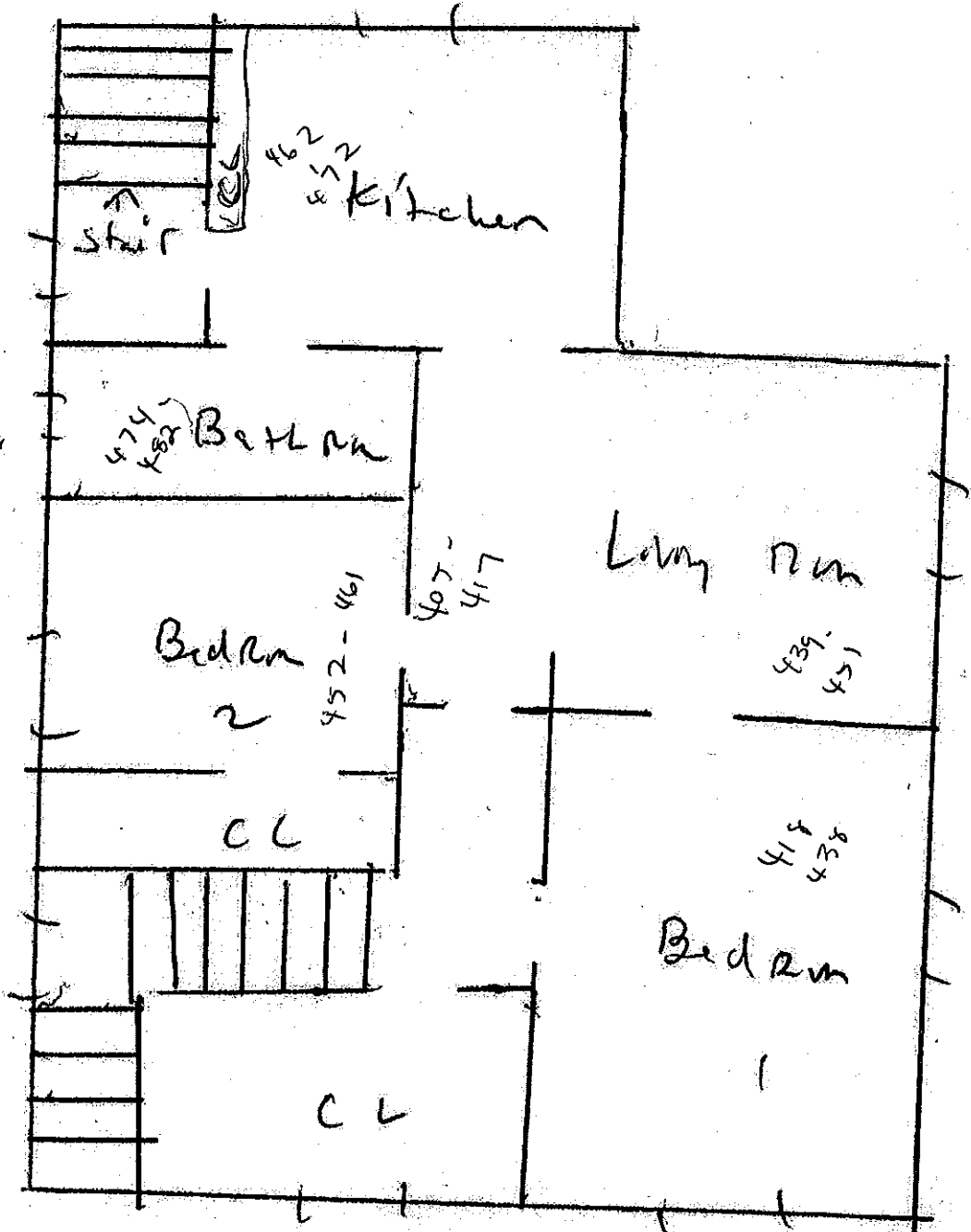
691 Lafond Ave
St Paul MN

Unit 2

C

NOT TO Scale

B



D

A

691 Lafond Ave
St. Paul MN

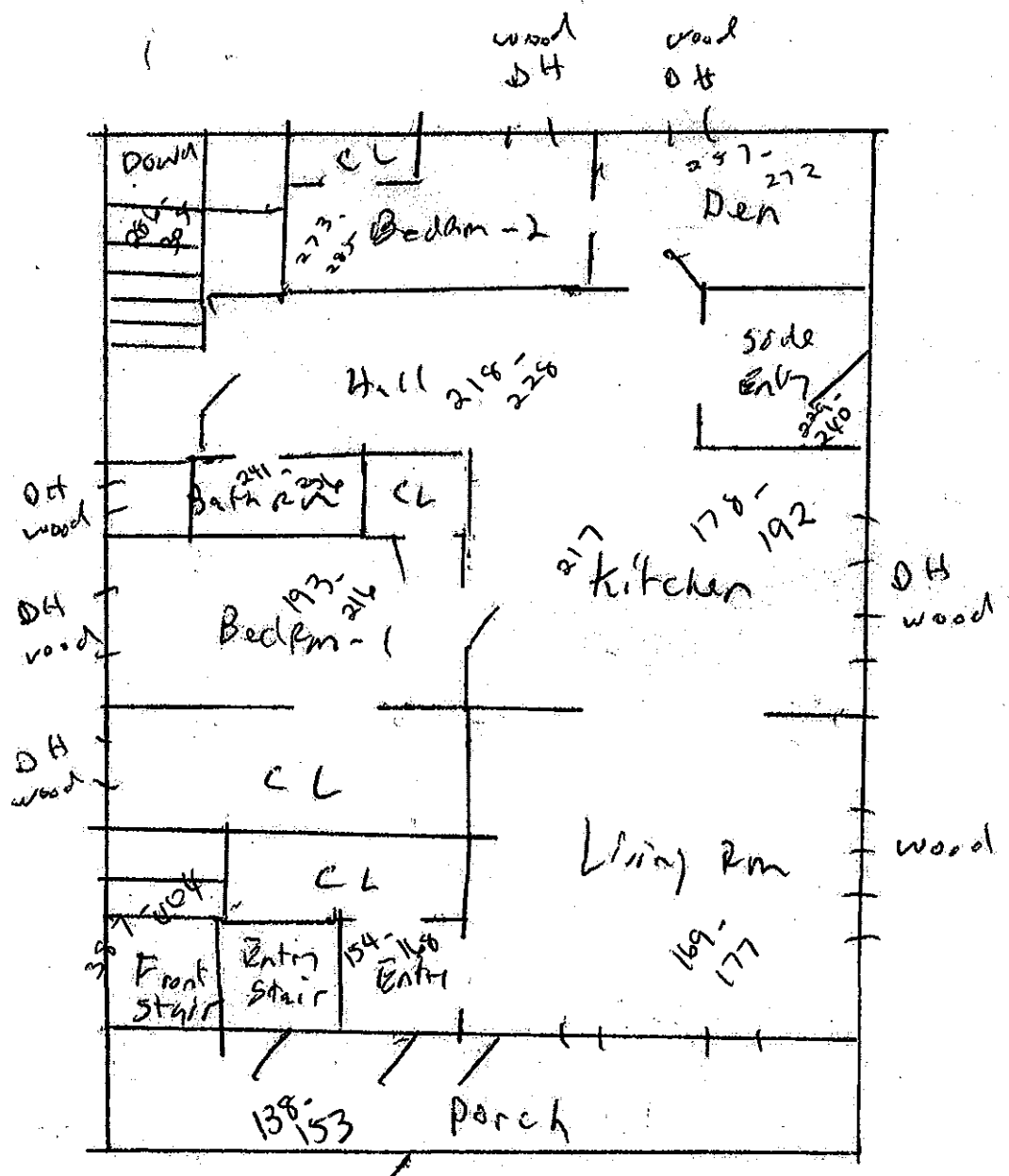
NOT TO Scale

Unit 1

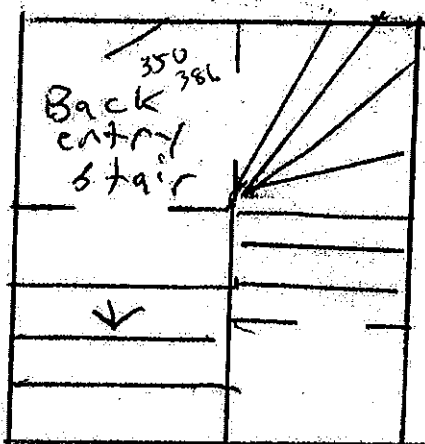
C

B

D



C



691 Lafond Ave
St. Paul MN
Basement

NOT TO SCALE

Laund Rm

306-320

Beth Room

344-349

334 343

Furnace room

metal

321-324

Rm 1

327-330

Rm - 2

metal
wood windows
windows

wood
window

B

D

Site: St. Croix Environmental - 591 LaFond Avenue, St. Paul MN									
Date: Jan. 24, 2012									
XRF: XLP 306A, Serial #22554									
Site	Lab	Date	Time	Room	Unit	Substrate	Component	Results	Depth
591 LaFond Ave	133	1/24/2012	14:05					1.57 0.24	0 177.22
591 LaFond Ave	134	1/24/2012	14:12			calibrate		Neg	0.9 < LOD 21.01 1.1
591 LaFond Ave	135	1/24/2012	14:14			calibrate		POS	1 < LOD 20.93 1.09
591 LaFond Ave	136	1/24/2012	14:15			calibrate		POS	1 < LOD 21.06 1.1
591 LaFond Ave	137	1/24/2012	14:16			calibrate		Neg	0.9 < LOD 6.44 1.06
591 LaFond Ave	138	1/24/2012	14:20	1	PORCH	WOOD	DOOR jamb	POS	17.8 < LOD 1.44 6.33
591 LaFond Ave	139	1/24/2012	14:22	1	PORCH	WOOD	WINDOW sill	POS	1 1.1 20.98 2.81
591 LaFond Ave	140	1/24/2012	14:22	1	PORCH	WOOD	WINDOW sash	POS	11.7 8.5 11.7 1.59 3.25
591 LaFond Ave	141	1/24/2012	14:23	1	PORCH	WOOD	WINDOW casing	POS	36.5 10.1 36.5 1.43 4.12
591 LaFond Ave	142	1/24/2012	14:23	1	PORCH	WOOD	TRIM	POS	19.9 < LOD 19.9 1.57 7.43
591 LaFond Ave	143	1/24/2012	14:24	1	PORCH	WOOD	WALL	POS	32.8 < LOD 32.8 1.43 10
591 LaFond Ave	144	1/24/2012	14:24	1	PORCH	METAL	DOOR	Neg	< LOD < LOD < LOD 2.16 1
591 LaFond Ave	145	1/24/2012	14:25	1	PORCH	WOOD	DOOR jamb	Neg	< LOD < LOD < LOD 2.29 1
591 LaFond Ave	146	1/24/2012	14:25	1	PORCH	WOOD	DOOR casing	Neg	< LOD < LOD < LOD 2.16 1
591 LaFond Ave	147	1/24/2012	14:26	1	PORCH	WOOD	DOOR threshold	Neg	< LOD < LOD < LOD 2.16 3.72
591 LaFond Ave	148	1/24/2012	14:26	1	PORCH	WOOD	DOOR threshold	Neg	< LOD < LOD < LOD 2.16 1.11
591 LaFond Ave	149	1/24/2012	14:27	1	PORCH	WOOD	WALL	Neg	< LOD < LOD < LOD 2.73 1.02
591 LaFond Ave	150	1/24/2012	14:27	1	PORCH	WOOD	WALL	Neg	< LOD < LOD < LOD 2.15 1.12
591 LaFond Ave	151	1/24/2012	14:28	1	PORCH	WOOD	WALL	Neg	< LOD < LOD < LOD 2.16 1.59
591 LaFond Ave	152	1/24/2012	14:28	1	PORCH	WOOD	CEILING	Neg	0.12 0.12 < LOD 2.3 1
591 LaFond Ave	153	1/24/2012	14:29	1	PORCH	vinyl	FLOOR	POS	14.8 1.9 14.8 1.58 6.13
591 LaFond Ave	154	1/24/2012	14:30	1	entry	WOOD	FLOOR	Neg	< LOD < LOD < LOD 2.15 2.65
591 LaFond Ave	155	1/24/2012	14:31	1	entry	WOOD	BASEBOARD	Null	< LOD < LOD < LOD 0.14 5.31
591 LaFond Ave	156	1/24/2012	14:31	1	entry	WOOD	BASEBOARD	POS	8.4 8.9 8.4 1.58 4.28
591 LaFond Ave	157	1/24/2012	14:32	1	entry	METAL	DOOR	Neg	< LOD < LOD < LOD 2.16 1
591 LaFond Ave	158	1/24/2012	14:33	1	entry	WOOD	DOOR casing	Neg	< LOD < LOD < LOD 2.3 1
591 LaFond Ave	159	1/24/2012	14:33	1	entry	WOOD	CABINET	Neg	< LOD < LOD < LOD 3.29 1
591 LaFond Ave	160	1/24/2012	14:34	1	entry	WOOD	Cist Shelf Support	Neg	< LOD < LOD < LOD 2.15 1
591 LaFond Ave	161	1/24/2012	14:35	1	entry	WOOD	CLOSET dr casing	Neg	< LOD < LOD < LOD 2.3 1
591 LaFond Ave	162	1/24/2012	14:35	1	entry	WOOD	CLOSET shelf	Neg	< LOD < LOD < LOD 2.01 2.4
591 LaFond Ave	163	1/24/2012	14:36	1	entry	PLASTER	CLOSET wall	Neg	< LOD < LOD < LOD 2.73 3.49
591 LaFond Ave	164	1/24/2012	14:37	1	entry	PLASTER	WALL	Neg	< LOD < LOD < LOD 2.44 1.04
591 LaFond Ave	165	1/24/2012	14:37	1	entry	PLASTER	WALL	Neg	< LOD < LOD < LOD 2.43 1
591 LaFond Ave	166	1/24/2012	14:37	1	entry	PLASTER	WALL	Neg	< LOD < LOD < LOD 2.3 1
591 LaFond Ave	167	1/24/2012	14:38	1	entry	PLASTER	WALL	Neg	< LOD < LOD < LOD 2.29 1.58
591 LaFond Ave	168	1/24/2012	14:38	1	entry	PLASTER	CEILING	Neg	< LOD < LOD < LOD 2.58 3.06

St. Croix Environmental
591 LaFond Avenue
St. Paul MN

Site	Unit	Date/Time	Room	Unit	Side	Component	Substrate	Condition	Color	Results	PH	PHK	Duration	Depth
591 LaFond Ave	169	1/24/2012 14:39	1	LIVING ROOM	unit 1	CEILING	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	2.72	1 AM
591 LaFond Ave	170	1/24/2012 14:40	1	LIVING ROOM	unit 1	A WALL	PLASTER	POOR	YELLOW	Neg	0.22	0.22 < LOD	5.04	7.27 AM
591 LaFond Ave	171	1/24/2012 14:40	1	LIVING ROOM	unit 1	B WALL	PLASTER	POOR	YELLOW	Neg	< LOD	< LOD	4.87	9.53 AM
591 LaFond Ave	172	1/24/2012 14:41	1	LIVING ROOM	unit 1	D WALL	PLASTER	POOR	YELLOW	Neg	< LOD	< LOD	2.88	6.04 AM
591 LaFond Ave	173	1/24/2012 14:41	1	LIVING ROOM	unit 1	C WALL	WOOD	POOR	varnish	Neg	< LOD	< LOD	2.16	4.75 AM
591 LaFond Ave	174	1/24/2012 14:42	1	LIVING ROOM	unit 1	D WINDOW casing	WOOD	POOR	varnish	POS	9.6	9.6	2.44	2.35 AM
591 LaFond Ave	175	1/24/2012 14:43	1	LIVING ROOM	unit 1	D WINDOW sash	WOOD	POOR	varnish	Neg	< LOD	< LOD	2.16	1.65 AM
591 LaFond Ave	176	1/24/2012 14:43	1	LIVING ROOM	unit 1	A WINDOW sash	WOOD	POOR	BROWN	POS	4.6	4.6	1.29	1.82 AM
591 LaFond Ave	177	1/24/2012 14:43	1	LIVING ROOM	unit 1	A RADIATOR	METAL	POOR	WHITE	Neg	< LOD	< LOD	2.01	6.5 AM
591 LaFond Ave	178	1/24/2012 14:45	1	KITCHEN	unit 1	D RADIATOR	METAL	POOR	GREEN	Neg	< LOD	< LOD	2.16	2.37 AM
591 LaFond Ave	179	1/24/2012 14:46	1	KITCHEN	unit 1	D WINDOW sill	WOOD	POOR	BROWN	Neg	< LOD	< LOD	2.01	1.27 AM
591 LaFond Ave	180	1/24/2012 14:46	1	KITCHEN	unit 1	D WINDOW casing	WOOD	POOR	BROWN	Neg	< LOD	< LOD	2.15	3.91 AM
591 LaFond Ave	181	1/24/2012 14:47	1	KITCHEN	unit 1	D WINDOW sash	WOOD	POOR	YELLOW	Neg	< LOD	< LOD	2.02	1 AM
591 LaFond Ave	182	1/24/2012 14:47	1	KITCHEN	unit 1	D WINDOW trough	WOOD	POOR	YELLOW	Neg	< LOD	< LOD	3.02	1.47 AM
591 LaFond Ave	183	1/24/2012 14:48	1	KITCHEN	unit 1	B DOOR	WOOD	POOR	varnish	Neg	< LOD	< LOD	2.15	1 AM
591 LaFond Ave	184	1/24/2012 14:49	1	KITCHEN	unit 1	B DOOR casing	WOOD	POOR	varnish	Neg	< LOD	< LOD	2.15	1.14 AM
591 LaFond Ave	185	1/24/2012 14:50	1	KITCHEN	unit 1	B BASEBOARD	WOOD	POOR	varnish	Neg	< LOD	< LOD	3.14	1 AM
591 LaFond Ave	186	1/24/2012 14:50	1	KITCHEN	unit 1	C CABINET	WOOD	POOR	varnish	Neg	< LOD	< LOD	2.3	1 AM
591 LaFond Ave	187	1/24/2012 14:51	1	KITCHEN	unit 1	A WALL	WOOD	POOR	varnish	Neg	< LOD	< LOD	2.3	2.21 AM
591 LaFond Ave	188	1/24/2012 14:51	1	KITCHEN	unit 1	B WALL	PLASTER	POOR	YELLOW	Neg	< LOD	< LOD	3.16	2.81 AM
591 LaFond Ave	189	1/24/2012 14:52	1	KITCHEN	unit 1	C WALL	PLASTER	POOR	YELLOW	Neg	< LOD	< LOD	2.44	4.92 AM
591 LaFond Ave	190	1/24/2012 14:52	1	KITCHEN	unit 1	D WALL	PLASTER	POOR	YELLOW	Neg	< LOD	< LOD	2.73	1.96 AM
591 LaFond Ave	191	1/24/2012 14:53	1	KITCHEN	unit 1	CEILING	PLASTER	POOR	WHITE	Null	< LOD	< LOD	1.3	2.45 AM
591 LaFond Ave	192	1/24/2012 14:53	1	KITCHEN	unit 1	CEILING	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	5.16	2.51 AM
591 LaFond Ave	193	1/24/2012 14:54	1	BEDROOM 1	unit 1	CEILING	PLASTER	POOR	WHITE	POS	11.5 < LOD	11.5	1.72	10 AM
591 LaFond Ave	194	1/24/2012 14:55	1	BEDROOM 1	unit 1	A WALL	PLASTER	POOR	WHITE	POS	10.5 < LOD	10.5	1.72	10 AM
591 LaFond Ave	195	1/24/2012 14:55	1	BEDROOM 1	unit 1	B WALL	PLASTER	POOR	WHITE	POS	9.6 < LOD	9.6	1.72	10 AM
591 LaFond Ave	196	1/24/2012 14:56	1	BEDROOM 1	unit 1	C WALL	PLASTER	POOR	WHITE	POS	8.9 < LOD	8.9	1.86	10 AM
591 LaFond Ave	197	1/24/2012 14:56	1	BEDROOM 1	unit 1	D WALL	PLASTER	POOR	WHITE	POS	9.6 < LOD	9.6	1.86	10 AM
591 LaFond Ave	198	1/24/2012 14:57	1	BEDROOM 1	unit 1	A CLOSET wall	PLASTER	POOR	WHITE	POS	11.2 < LOD	11.2	1.72	10 AM
591 LaFond Ave	199	1/24/2012 14:57	1	BEDROOM 1	unit 1	C CLOSET wall	PLASTER	POOR	WHITE	POS	2.4	2.4 < LOD	1.86	2.37 AM
591 LaFond Ave	200	1/24/2012 14:58	1	BEDROOM 1	unit 1	C CLOSET shelf	WOOD	POOR	WHITE	Neg	< LOD	< LOD	2.28	1.76 AM
591 LaFond Ave	201	1/24/2012 14:59	1	BEDROOM 1	unit 1	C Cst Shelf Support	WOOD	POOR	varnish	POS	4.8	4.8	2.43	1.25 AM
591 LaFond Ave	202	1/24/2012 14:59	1	BEDROOM 1	unit 1	C CLOSET baseboard	WOOD	POOR	varnish	POS	4.3	4.3	1.44	1.27 AM
591 LaFond Ave	203	1/24/2012 15:00	1	BEDROOM 1	unit 1	C CLOSET dr jamb	WOOD	POOR	varnish	POS	10.2	10.1	1.58	2.65 AM
591 LaFond Ave	204	1/24/2012 15:00	1	BEDROOM 1	unit 1	D BASEBOARD	WOOD	POOR	varnish	Neg	< LOD	< LOD	2.16	1 AM
591 LaFond Ave	205	1/24/2012 15:01	1	BEDROOM 1	unit 1	FLOOR	WOOD	POOR	varnish	Neg	< LOD	< LOD	2.15	1 AM
591 LaFond Ave	206	1/24/2012 15:01	1	BEDROOM 1	unit 1	D DOOR	WOOD	POOR	varnish	Neg	< LOD	< LOD	2.15	1.43 AM
591 LaFond Ave	207	1/24/2012 15:02	1	BEDROOM 1	unit 1	D DOOR casing	WOOD	POOR	varnish	Neg	< LOD	< LOD	2.16	5 AM
591 LaFond Ave	208	1/24/2012 15:03	1	BEDROOM 1	unit 1	A CLOSET dr	WOOD	POOR	varnish	Null	< LOD	< LOD	0.29	1 AM

St. Croix Environmental
591 LaFond Avenue
St. Paul MN

Suite	Room Name	Floor	Room	Unit	SO	Component	Substrate	Condition	Color	Result	P50	P80	P90	Duration	Depth	Insp.	
591 LaFond Ave	209	1/24/2012 15:03	1	BEDROOM 1	unit 1	A	CLOSET dr	WOOD	POOR	vamish	Neg	< LOD < LOD	< LOD	2	1	AM	
591 LaFond Ave	210	1/24/2012 15:03	1	BEDROOM 1	unit 1	A	CLOSET dr jamb	WOOD	POOR	vamish	Neg	< LOD < LOD	< LOD	2.15	1	AM	
591 LaFond Ave	211	1/24/2012 15:04	1	BEDROOM 1	unit 1	A	CLOSET radiator	METAL	POOR	GREEN	Neg	< LOD < LOD	< LOD	1.57	2.1	AM	
591 LaFond Ave	212	1/24/2012 15:05	1	BEDROOM 1	unit 1	B	WINDOW casing	WOOD	POOR	BROWN	Neg	< LOD < LOD	< LOD	4.16	3.94	AM	
591 LaFond Ave	213	1/24/2012 15:06	1	BEDROOM 1	unit 1	B	WINDOW sash	WOOD	POOR	WHITE	Neg	< LOD < LOD	< LOD	1.01	1.44	AM	
591 LaFond Ave	214	1/24/2012 15:06	1	BEDROOM 1	unit 1	B	WINDOW sash	WOOD	POOR	WHITE	Neg	0.3	0.3 < LOD	2.16	1.93	AM	
591 LaFond Ave	215	1/24/2012 15:07	1	BEDROOM 1	unit 1	B	WINDOW trough	WOOD	POOR	WHITE	POS	1.2	1.2	8.02	2.18	AM	
591 LaFond Ave	216	1/24/2012 15:08	1	BEDROOM 1	unit 1	B	WINDOW trough	WOOD	POOR	WHITE	POS	27.7	7.2	1.44	4.18	AM	
591 LaFond Ave	217	1/24/2012 15:08	1	KITCHEN	unit 1		FLOOR	vinyl	POOR	WHITE	Neg	< LOD < LOD	< LOD	2.29	2.43	AM	
591 LaFond Ave	218	1/24/2012 15:09	1	HALL	unit 1		FLOOR	vinyl	POOR	WHITE	Neg	< LOD < LOD	< LOD	2.14	1	AM	
591 LaFond Ave	219	1/24/2012 15:09	1	HALL	unit 1	A	BASEBOARD	vinyl	POOR	BROWN	Neg	< LOD < LOD	< LOD	2.15	1	AM	
591 LaFond Ave	220	1/24/2012 15:10	1	HALL	unit 1	B	DOOR	WOOD	POOR	BEIGE	POS	14.2	10.1	1.58	4.93	AM	
591 LaFond Ave	221	1/24/2012 15:11	1	HALL	unit 1	B	DOOR casing	WOOD	POOR	vamish	Neg	< LOD < LOD	< LOD	2.16	1.43	AM	
591 LaFond Ave	222	1/24/2012 15:12	1	HALL	unit 1	D	DOOR casing	WOOD	POOR	vamish	Neg	< LOD < LOD	< LOD	2.29	1.94	AM	
591 LaFond Ave	223	1/24/2012 15:12	1	HALL	unit 1	D	DOOR	WOOD	POOR	vamish	Neg	0.26	0.26 < LOD	2.16	2.12	AM	
591 LaFond Ave	224	1/24/2012 15:13	1	HALL	unit 1	A	WALL	WOOD	POOR	BEIGE	Neg	< LOD < LOD	< LOD	2.15	1	AM	
591 LaFond Ave	225	1/24/2012 15:13	1	HALL	unit 1	B	WALL	WOOD	POOR	BEIGE	Neg	< LOD < LOD	< LOD	2.16	1	AM	
591 LaFond Ave	226	1/24/2012 15:13	1	HALL	unit 1	C	WALL	WOOD	POOR	BEIGE	Neg	< LOD < LOD	< LOD	2.16	1	AM	
591 LaFond Ave	227	1/24/2012 15:14	1	HALL	unit 1	D	WALL	WOOD	POOR	BEIGE	POS	7.3	< LOD	7.3	1.86	10	AM
591 LaFond Ave	228	1/24/2012 15:14	1	HALL	unit 1		CEILING	PLASTER	POOR	WHITE	POS	19.5	< LOD	19.5	1.58	10	AM
591 LaFond Ave	229	1/24/2012 15:15	1	SIDE ENTRY	unit 1		CEILING	WOOD	POOR	WHITE	POS	32.8	10.1	1.15	2.8	AM	
591 LaFond Ave	230	1/24/2012 15:15	1	SIDE ENTRY	unit 1	A	SHELF	WOOD	POOR	WHITE	Neg	< LOD < LOD	< LOD	2.15	5.33	AM	
591 LaFond Ave	231	1/24/2012 15:16	1	SIDE ENTRY	unit 1	D	DOOR	METAL	POOR	WHITE	Neg	< LOD < LOD	< LOD	2.29	1	AM	
591 LaFond Ave	232	1/24/2012 15:17	1	SIDE ENTRY	unit 1	D	DOOR CASING	WOOD	POOR	VARNISH	Neg	< LOD < LOD	< LOD	2.15	1	AM	
591 LaFond Ave	233	1/24/2012 15:17	1	SIDE ENTRY	unit 1	B	DOOR CASING	WOOD	POOR	VARNISH	Neg	< LOD < LOD	< LOD	2.15	5.25	AM	
591 LaFond Ave	234	1/24/2012 15:18	1	SIDE ENTRY	unit 1	B	DOOR	WOOD	POOR	VARNISH	Neg	< LOD < LOD	< LOD	2.15	1	AM	
591 LaFond Ave	235	1/24/2012 15:18	1	SIDE ENTRY	unit 1	A	WALL	WOOD	POOR	VARNISH	POS	6.5	1.9	2.3	4.84	AM	
591 LaFond Ave	236	1/24/2012 15:19	1	SIDE ENTRY	unit 1	B	WALL	WOOD	POOR	VARNISH	Null	< LOD < LOD	< LOD	0.72	1	AM	
591 LaFond Ave	237	1/24/2012 15:19	1	SIDE ENTRY	unit 1	B	WALL	WOOD	POOR	VARNISH	Neg	< LOD < LOD	< LOD	2.29	4.2	AM	
591 LaFond Ave	238	1/24/2012 15:19	1	SIDE ENTRY	unit 1	C	WALL	WOOD	POOR	VARNISH	Neg	< LOD < LOD	< LOD	2.15	1	AM	
591 LaFond Ave	239	1/24/2012 15:20	1	SIDE ENTRY	unit 1	D	WALL	WOOD	POOR	VARNISH	Neg	< LOD < LOD	< LOD	2.57	9.27	AM	
591 LaFond Ave	240	1/24/2012 15:20	1	SIDE ENTRY	unit 1		FLOOR	WOOD	POOR	GREY	POS	17.2	10.1	1.72	1.72	AM	
591 LaFond Ave	241	1/24/2012 15:21	1	BATHROOM	unit 1		FLOOR	VINYL	POOR	WHITE	Neg	< LOD < LOD	< LOD	2.44	2.41	AM	
591 LaFond Ave	242	1/24/2012 15:21	1	BATHROOM	unit 1	A	TUB	METAL	FAIR	WHITE	POS	29.7	5.9	29.7	1.43	2.03	AM
591 LaFond Ave	243	1/24/2012 15:23	1	BATHROOM	unit 1	D	BASEBOARD	WOOD	POOR	WHITE	POS	1.2	1.2	1.2	11.74	2.13	AM
591 LaFond Ave	244	1/24/2012 15:23	1	BATHROOM	unit 1	B	WINDOW SASH	WOOD	POOR	WHITE	Neg	< LOD < LOD	< LOD	2.01	2.93	AM	
591 LaFond Ave	245	1/24/2012 15:24	1	BATHROOM	unit 1	B	Window Part- Bead	WOOD	POOR	WHITE	POS	10	4.7	10	1.29	1.9	AM
591 LaFond Ave	246	1/24/2012 15:24	1	BATHROOM	unit 1	B	WINDOW CASING	WOOD	POOR	BROWN	POS	2.2	2.2	2.4	2.15	2.71	AM
591 LaFond Ave	247	1/24/2012 15:25	1	BATHROOM	unit 1	B	RADIATOR	METAL	POOR	WHITE	Neg	< LOD < LOD	< LOD	2.16	1	AM	
591 LaFond Ave	248	1/24/2012 15:25	1	BATHROOM	unit 1	C	DOOR	WOOD	POOR	WHITE	POS	19.4	< LOD	19.4	1.72	7.64	AM

St. Croix Environmental
591 LaFond Avenue
St. Paul MN

Site	Unit	Date	Time	Loc	Room	Unit	Sub	Comp	Subst	Cond	Color	Result	PbC	PbC	PbC	Duration	Depth	Resp
591 LaFond Ave	249	1/24/2012	15:26	1	BATHROOM	unit 1	C	DOOR CASING	WOOD	POOR	BROWN	Neg	< LOD	< LOD	< LOD	1	1	AM
591 LaFond Ave	250	1/24/2012	15:26	1	BATHROOM	unit 1	C	DOOR CASING	WOOD	POOR	BROWN	Null	< LOD	< LOD	< LOD	0.43	1	AM
591 LaFond Ave	251	1/24/2012	15:26	1	BATHROOM	unit 1	C	DOOR CASING	WOOD	POOR	BROWN	POS	33.3	< LOD	33.3	1.43	5.17	AM
591 LaFond Ave	252	1/24/2012	15:27	1	BATHROOM	unit 1	A	WALL	DRYWALL	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	2.29	1	AM
591 LaFond Ave	253	1/24/2012	15:28	1	BATHROOM	unit 1	B	WALL	DRYWALL	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	5.58	10	AM
591 LaFond Ave	254	1/24/2012	15:29	1	BATHROOM	unit 1	C	WALL	DRYWALL	POOR	BEIGE	POS	10.6	4.2	10.6	2.86	10	AM
591 LaFond Ave	255	1/24/2012	15:29	1	BATHROOM	unit 1	D	WALL	DRYWALL	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	2.29	1	AM
591 LaFond Ave	256	1/24/2012	15:30	1	BATHROOM	unit 1		CEILING	DRYWALL	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	2.58	2.92	AM
591 LaFond Ave	257	1/24/2012	15:31	1	DEN	unit 1		CEILING	PLASTER	POOR	BEIGE	Null	0.4	0.4	< LOD	2.58	3.12	AM
591 LaFond Ave	258	1/24/2012	15:32	1	DEN	unit 1		CEILING	PLASTER	POOR	BEIGE	Neg	< LOD	0.3	< LOD	5.43	2.93	AM
591 LaFond Ave	259	1/24/2012	15:32	1	DEN	unit 1	C	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.87	2.04	AM
591 LaFond Ave	260	1/24/2012	15:33	1	DEN	unit 1	D	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.43	1	AM
591 LaFond Ave	261	1/24/2012	15:33	1	DEN	unit 1	A	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.14	1	AM
591 LaFond Ave	262	1/24/2012	15:34	1	DEN	unit 1	B	WALL	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1.14	AM
591 LaFond Ave	263	1/24/2012	15:34	1	DEN	unit 1	A	DOOR	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	3.29	1.53	AM
591 LaFond Ave	264	1/24/2012	15:35	1	DEN	unit 1	A	DOOR JAMB	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1	AM
591 LaFond Ave	265	1/24/2012	15:36	1	DEN	unit 1	C	WINDOW CASING	WOOD	POOR	BROWN	Neg	< LOD	< LOD	< LOD	3.16	2.19	AM
591 LaFond Ave	266	1/24/2012	15:36	1	DEN	unit 1	C	WINDOW CASING	WOOD	POOR	BROWN	Null	< LOD	< LOD	< LOD	0.72	1	AM
591 LaFond Ave	267	1/24/2012	15:36	1	DEN	unit 1	C	WINDOW SASH	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	1.01	1.54	AM
591 LaFond Ave	268	1/24/2012	15:36	1	DEN	unit 1	C	WINDOW SASH	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1.13	AM
591 LaFond Ave	269	1/24/2012	15:37	1	DEN	unit 1	C	WINDOW TROUGH	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1.24	AM
591 LaFond Ave	270	1/24/2012	15:38	1	DEN	unit 1	C	WINDOW TROUGH	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.72	1.13	AM
591 LaFond Ave	271	1/24/2012	15:38	1	DEN	unit 1		FLOOR	WOOD	POOR	YELLOW	Neg	0.6	0.6	< LOD	2.87	3.97	AM
591 LaFond Ave	272	1/24/2012	15:38	1	DEN	unit 1		FLOOR	WOOD	POOR	WHITE	POS	10.1	10.1	10.1	1.44	2.78	AM
591 LaFond Ave	273	1/24/2012	15:40	1	BEDROOM 2	unit 1		FLOOR	WOOD	POOR	BROWN	Neg	0.9	0.9	0.7	11.21	2.23	AM
591 LaFond Ave	274	1/24/2012	15:40	1	BEDROOM 2	unit 1		FLOOR	WOOD	POOR	BROWN	Null	< LOD	< LOD	< LOD	1	1	AM
591 LaFond Ave	275	1/24/2012	15:41	1	BEDROOM 2	unit 1	D	DOOR	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	3.01	1.84	AM
591 LaFond Ave	276	1/24/2012	15:41	1	BEDROOM 2	unit 1	D	DOOR jamb	WOOD	POOR	BLUE	Neg	< LOD	< LOD	< LOD	2.15	1	AM
591 LaFond Ave	277	1/24/2012	15:42	1	BEDROOM 2	unit 1	D	WALL	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.01	1	AM
591 LaFond Ave	278	1/24/2012	15:42	1	BEDROOM 2	unit 1	A	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.01	2.57	AM
591 LaFond Ave	279	1/24/2012	15:43	1	BEDROOM 2	unit 1	B	WALL	WOOD	POOR	WHITE	POS	6.9	< LOD	6.9	3.01	10	AM
591 LaFond Ave	280	1/24/2012	15:43	1	BEDROOM 2	unit 1	C	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1	AM
591 LaFond Ave	281	1/24/2012	15:44	1	BEDROOM 2	unit 1	C	WINDOW casing	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1.24	AM
591 LaFond Ave	282	1/24/2012	15:44	1	BEDROOM 2	unit 1	C	WINDOW sash	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	3.15	1	AM
591 LaFond Ave	283	1/24/2012	15:45	1	BEDROOM 2	unit 1	C	WINDOW trough	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	3.29	1	AM
591 LaFond Ave	284	1/24/2012	15:45	1	BEDROOM 2	unit 1	C	BOOKCASE	WOOD	POOR	BLUE	Neg	< LOD	< LOD	< LOD	2.15	1	AM
591 LaFond Ave	285	1/24/2012	15:46	1	BEDROOM 2	unit 1	C	RADIATOR	METAL	POOR	GREEN	Neg	< LOD	< LOD	< LOD	2.15	3.26	AM
591 LaFond Ave	286	1/24/2012	15:51	0	STAIR		D	DOOR	WOOD	POOR	BROWN	POS	9.7	9	9.7	1.43	2.94	AM
591 LaFond Ave	287	1/24/2012	15:51	0	STAIR		D	DOOR casing	WOOD	POOR	WHITE	POS	6.3	7.1	6.3	2	5.41	AM
591 LaFond Ave	288	1/24/2012	15:52	0	STAIR		A	coat rack	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.45	6.32	AM

St. Croix Environmental
591 LaFond Avenue
St. Paul MN

Site	GR	Date/Time	Floor	Room	Unit	Side	Component	Substrate	Condition	Color	Result	PC	Ph	Phk	Duration	Depth	Info
591 LaFond Ave	289	1/24/2012 15:53	0	STAIR		A	coat rack	WOOD	POOR	WHITE	Neg	0.7	0.7	< LOD	4.3	3.71	AM
591 LaFond Ave	290	1/24/2012 15:53	0	STAIR		A	BASEBOARD	WOOD	POOR	WHITE	POS	3.5	3.5	3.9	2.44	5.56	AM
591 LaFond Ave	291	1/24/2012 15:53	0	STAIR		B	ledge	WOOD	POOR	WHITE	POS	1.1	1.1	0.9	20.17	2.45	AM
591 LaFond Ave	292	1/24/2012 15:56	0	STAIR		D	hand rail	WOOD	POOR	RED	POS	1.9	1.9	2.2	3.29	2.95	AM
591 LaFond Ave	293	1/24/2012 15:56	0	STAIR			FLOOR	tile	POOR	RED	Neg	0.7	0.7	< LOD	4.43	2.45	AM
591 LaFond Ave	294	1/24/2012 15:57	0	STAIR		D	TREAD	WOOD	POOR	RED	Neg	< LOD	< LOD	< LOD	3.15	2.28	AM
591 LaFond Ave	295	1/24/2012 15:57	0	STAIR		D	RISER	WOOD	POOR	GREEN	POS	2.6	2.6	2.6	2.44	3.15	AM
591 LaFond Ave	296	1/24/2012 15:58	0	STAIR		D	BASEBOARD	WOOD	POOR	GREEN	POS	2.1	2.1	3.6	2.44	3	AM
591 LaFond Ave	297	1/24/2012 15:58	0	STAIR		B	BASEBOARD	WOOD	POOR	GREEN	Null	1	1	1.1	5.59	3.36	AM
591 LaFond Ave	298	1/24/2012 15:59	0	STAIR		B	BASEBOARD	WOOD	POOR	GREEN	Neg	0.8	0.8	0.9	6.17	2.87	AM
591 LaFond Ave	299	1/24/2012 16:00	0	STAIR		B	BASEBOARD	WOOD	POOR	GREEN	Neg	0.9	0.9	1.2	17.2	3	AM
591 LaFond Ave	300	1/24/2012 16:01	0	STAIR		B	WINDOW	WOOD	POOR	WHITE	POS	3.2	1.9	3.2	3.88	8.47	AM
591 LaFond Ave	301	1/24/2012 16:02	0	STAIR		A	WALL	PLASTER	POOR	WHITE	POS	1.2	1.2	0.7	12.32	5.97	AM
591 LaFond Ave	302	1/24/2012 16:03	0	STAIR		B	WALL	PLASTER	POOR	WHITE	Null	0.8	0.8	< LOD	10.75	5.26	AM
591 LaFond Ave	303	1/24/2012 16:05	0	STAIR		B	WALL	PLASTER	POOR	WHITE	Neg	0.8	0.8	0.8	21.23	5.88	AM
591 LaFond Ave	304	1/24/2012 16:06	0	STAIR		C	WALL	PLASTER	POOR	WHITE	Neg	< LOD	0.8	< LOD	5.16	5.53	AM
591 LaFond Ave	305	1/24/2012 16:06	0	STAIR		D	WALL	PLASTER	POOR	WHITE	Neg	0.7	0.7	< LOD	7.19	7.57	AM
591 LaFond Ave	306	1/24/2012 16:15	0	laundry		B	WALL	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.29	1.61	AM
591 LaFond Ave	307	1/24/2012 16:15	0	laundry		C	WALL	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.01	1	AM
591 LaFond Ave	308	1/24/2012 16:15	0	laundry		D	WALL	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	3.15	1.54	AM
591 LaFond Ave	309	1/24/2012 16:16	0	laundry		D	WALL	WOOD	POOR	GREEN	Neg	< LOD	< LOD	< LOD	2.16	3	AM
591 LaFond Ave	310	1/24/2012 16:17	0	laundry		C	WALL	CONCRETE	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	3.44	2.31	AM
591 LaFond Ave	311	1/24/2012 16:17	0	laundry		C	support beam	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	2	1	AM
591 LaFond Ave	312	1/24/2012 16:17	0	laundry		C	support beam	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	2.01	1	AM
591 LaFond Ave	313	1/24/2012 16:18	0	laundry			CEILING	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	2.15	4.77	AM
591 LaFond Ave	314	1/24/2012 16:19	0	laundry		A	sink	CONCRETE	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.73	1	AM
591 LaFond Ave	315	1/24/2012 16:19	0	laundry		A	FLOOR	CONCRETE	POOR	GREEN	Neg	< LOD	< LOD	< LOD	3.14	2.4	AM
591 LaFond Ave	316	1/24/2012 16:20	0	laundry		C	DOOR	WOOD	POOR	GREEN	POS	28.8	< LOD	28.8	1.29	9.77	AM
591 LaFond Ave	317	1/24/2012 16:20	0	laundry		C	DOOR jamb	WOOD	POOR	RED	Neg	0.7	0.7	< LOD	1.29	1.05	AM
591 LaFond Ave	318	1/24/2012 16:20	0	laundry		C	DOOR jamb	WOOD	POOR	RED	Neg	0.5	0.5	< LOD	2.14	1.08	AM
591 LaFond Ave	319	1/24/2012 16:21	0	laundry		C	DOOR jamb	WOOD	POOR	RED	POS	33.8	< LOD	33.8	1.43	4.02	AM
591 LaFond Ave	320	1/24/2012 16:21	0	laundry		A	DOOR	WOOD	POOR	YELLOW	POS	17.8	< LOD	17.8	1.58	10	AM
591 LaFond Ave	321	1/24/2012 16:22	0	rm 1		C	DOOR	WOOD	POOR	YELLOW	POS	17.4	8.8	17.4	1.86	10	AM
591 LaFond Ave	322	1/24/2012 16:22	0	rm 1		B	WINDOW	WOOD	POOR	WHITE	POS	4.7	4.7	4.5	2.57	2.62	AM
591 LaFond Ave	323	1/24/2012 16:23	0	rm 1		D	COLUMN	WOOD	POOR	RED	POS	2	2	2.6	3.15	2.04	AM
591 LaFond Ave	324	1/24/2012 16:24	0	rm 1			FLOOR	CONCRETE	POOR	RED	Neg	< LOD	< LOD	< LOD	4	2.38	AM
591 LaFond Ave	325	1/24/2012 16:24	0	rm 1		A	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.43	1.33	AM
591 LaFond Ave	326	1/24/2012 16:25	0	rm 1		B	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1	AM
591 LaFond Ave	327	1/24/2012 16:26	0	rm 2		A	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	2.3	4.01	AM
591 LaFond Ave	328	1/24/2012 16:27	0	rm 2		B	WALL	DRYWALL	POOR	YELLOW	Null	1	1	0.9	10.07	3.7	AM

St. Croix Environmental
591 LaFond Avenue
St. Paul MN

Site	Job #	Date/Time	Floor	Room	Unit	Side	Component	Substrate	Condition	Color	Results	PbC	PbI	PbK	Duration	Depth	Insp
591 LaFond Ave	329	1/24/2012 16:28	0	rm 2		B	WALL	DRYWALL	POOR	YELLOW	POS	< LOD	< LOD	< LOD	21.98	3.78	AM
591 LaFond Ave	330	1/24/2012 16:29	0	rm 2		C	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	3.14	1	AM
591 LaFond Ave	331	1/24/2012 16:29	0	rm 2		D	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	2.01	2.11	AM
591 LaFond Ave	332	1/24/2012 16:30	0	rm 2		D	coat rack	WOOD	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	2.16	1	AM
591 LaFond Ave	333	1/24/2012 16:31	0	rm 2		B	shelf	WOOD	POOR	YELLOW	Neg	0.22	0.22	< LOD	2.14	1.7	AM
591 LaFond Ave	334	1/24/2012 16:33	0	furnace rm		A	DOOR	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.3	1.12	AM
591 LaFond Ave	335	1/24/2012 16:35	0	furnace rm		A	DOOR jamb	WOOD	POOR	YELLOW	POS	1.1	1.1	0.9	20.81	4.42	AM
591 LaFond Ave	336	1/24/2012 16:35	0	furnace rm		B	CABINET	WOOD	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	3.16	1.17	AM
591 LaFond Ave	337	1/24/2012 16:36	0	furnace rm		B	CABINET	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.15	1	AM
591 LaFond Ave	338	1/24/2012 16:36	0	furnace rm		A	WALL	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.28	1	AM
591 LaFond Ave	339	1/24/2012 16:37	0	furnace rm		D	WALL	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.14	1	AM
591 LaFond Ave	340	1/24/2012 16:37	0	furnace rm		D	WALL	CONCRETE	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	3.16	4.57	AM
591 LaFond Ave	341	1/24/2012 16:38	0	furnace rm		D	WINDOW	WOOD	POOR	YELLOW	POS	32.3	10.1	32.3	1.29	5.05	AM
591 LaFond Ave	342	1/24/2012 16:38	0	furnace rm			FLOOR	CONCRETE	POOR	RED	Neg	< LOD	< LOD	< LOD	3	1	AM
591 LaFond Ave	343	1/24/2012 16:40	0	furnace rm		B	COLUMN	WOOD	POOR	RED	POS	1.3	1.3	1.3	15.25	1.93	AM
591 LaFond Ave	344	1/24/2012 16:40	0	BATHROOM		B	COLUMN	WOOD	POOR	GREEN	Neg	< LOD	< LOD	< LOD	1.15	1	AM
591 LaFond Ave	345	1/24/2012 16:41	0	BATHROOM		B	support	WOOD	POOR	GREEN	Neg	< LOD	< LOD	< LOD	2.44	1	AM
591 LaFond Ave	346	1/24/2012 16:41	0	BATHROOM		B	WALL	WOOD	POOR	GREEN	Neg	< LOD	< LOD	< LOD	2.29	1	AM
591 LaFond Ave	347	1/24/2012 16:42	0	BATHROOM		D	WALL	CONCRETE	POOR	GREEN	Neg	< LOD	< LOD	< LOD	3.73	1.53	AM
591 LaFond Ave	348	1/24/2012 16:42	0	BATHROOM		B	BOOKCASE	WOOD	POOR	GREEN	Neg	< LOD	< LOD	< LOD	2.16	1	AM
591 LaFond Ave	349	1/24/2012 16:43	0	BATHROOM		B	tub	METAL	POOR	WHITE	POS	26.1	4.9	26.1	1.29	2.07	AM
591 LaFond Ave	350	1/24/2012 16:45	0	BACK STAIR		A	DOOR	WOOD	POOR	GREEN	POS	21.4	10.1	21.4	2.44	2.82	AM
591 LaFond Ave	351	1/24/2012 16:45	0	BACK STAIR		B	DOOR	WOOD	POOR	RED	POS	25.5	< LOD	25.5	1.43	7.05	AM
591 LaFond Ave	352	1/24/2012 16:46	0	BACK STAIR		B	DOOR	WOOD	POOR	GREY	POS	2.6	1.1	2.6	3.15	3.21	AM
591 LaFond Ave	353	1/24/2012 16:46	0	BACK STAIR		B	WALL	CONCRETE	POOR	GREY	Neg	< LOD	< LOD	< LOD	4.16	10	AM
591 LaFond Ave	354	1/24/2012 16:47	0	BACK STAIR		D	WALL	CONCRETE	POOR	GREY	Null	< LOD	< LOD	< LOD	3.15	8.06	AM
591 LaFond Ave	355	1/24/2012 16:47	0	BACK STAIR		C	TREAD	CONCRETE	POOR	GREY	Neg	0.08	0.08	< LOD	4.31	1.8	AM
591 LaFond Ave	356	1/24/2012 16:48	0	BACK STAIR		C	RISER	CONCRETE	POOR	GREY	Neg	< LOD	< LOD	< LOD	2.73	1.83	AM
591 LaFond Ave	357	1/24/2012 16:49	0	BACK STAIR		A	WALL	WOOD	POOR	YELLOW	POS	1.7	< LOD	1.7	7.18	2.58	AM
591 LaFond Ave	358	1/24/2012 16:49	0	BACK STAIR		B	WALL	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.28	2.19	AM
591 LaFond Ave	359	1/24/2012 16:50	0	BACK STAIR		C	WALL	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1.91	AM
591 LaFond Ave	360	1/24/2012 16:50	0	BACK STAIR		D	WALL	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	3.16	1	AM
591 LaFond Ave	361	1/24/2012 16:50	0	BACK STAIR			CEILING	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.3	6.47	AM
591 LaFond Ave	362	1/24/2012 16:51	1	BACK STAIR			CEILING	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1.76	AM
591 LaFond Ave	363	1/24/2012 16:51	1	BACK STAIR		B	WALL	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	3.44	10	AM
591 LaFond Ave	364	1/24/2012 16:52	1	BACK STAIR		B	WINDOW CASING	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1.08	AM
591 LaFond Ave	365	1/24/2012 16:52	1	BACK STAIR		B	WINDOW SASH	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1.72	AM
591 LaFond Ave	366	1/24/2012 16:53	1	BACK STAIR		D	DOOR THRESHOLD	WOOD	POOR	VARNISH	POS	4.7	4.7	5.6	1.72	2.39	AM
591 LaFond Ave	367	1/24/2012 16:53	1	BACK STAIR			FLOOR	WOOD	POOR	RED	POS	10.9	7.2	10.9	1.43	2.88	AM
591 LaFond Ave	368	1/24/2012 16:54	1	BACK STAIR		A	TREAD	WOOD	POOR	RED	POS	14.8	10.1	14.8	1.58	3.19	AM

St. Croix Environmental
591 LaFond Avenue
St. Paul MN

Site	Unit	Date/Time	Room	Unit	Side	Component	Substrate	Condition	Color	Result	PS	PSK	Duration	Depth	Info	
591 LaFond Ave	369	1/24/2012	16:54	1	BACK STAIR	A	RISER	WOOD	POOR	RED	POS	34.4	<LOD	34.4	2.44	3.8 AM
591 LaFond Ave	370	1/24/2012	16:55	1	BACK STAIR	C	DOOR CASING	WOOD	POOR	RED	Neg	<LOD	<LOD	<LOD	1.29	1 AM
591 LaFond Ave	371	1/24/2012	16:55	1	BACK STAIR	C	DOOR	METAL	POOR	WHITE	Neg	<LOD	<LOD	<LOD	2.29	1 AM
591 LaFond Ave	372	1/24/2012	16:55	1	BACK STAIR	A	DOOR CASING	WOOD	POOR	WHITE	POS	29.8	<LOD	29.8	1.43	5.77 AM
591 LaFond Ave	373	1/24/2012	16:56	2	BACK STAIR	D	DOOR CASING	WOOD	POOR	RED	POS	<LOD	8.1	<LOD	0.86	1.71 AM
591 LaFond Ave	374	1/24/2012	16:57	2	BACK STAIR	D	DOOR THRESHOLD	WOOD	POOR	RED	Neg	<LOD	<LOD	<LOD	2.16	1.49 AM
591 LaFond Ave	375	1/24/2012	16:57	2	BACK STAIR	D	DOOR THRESHOLD	WOOD	POOR	RED	Neg	<LOD	<LOD	<LOD	2.14	1.34 AM
591 LaFond Ave	376	1/24/2012	16:57	2	BACK STAIR	D	DOOR	WOOD	POOR	RED	POS	10.4	10.1	10.4	1.58	1.8 AM
591 LaFond Ave	377	1/24/2012	16:58	2	BACK STAIR	D	BASEBOARD	WOOD	POOR	RED	POS	4.3	4.3	6.2	1.43	2.24 AM
591 LaFond Ave	378	1/24/2012	16:58	2	BACK STAIR	D	HAND RAIL	METAL	POOR	WHITE	Neg	<LOD	<LOD	<LOD	2.15	2.3 AM
591 LaFond Ave	379	1/24/2012	16:59	2	BACK STAIR	B	WINDOW CASING	WOOD	POOR	BROWN	POS	8	8.4	8	2.44	1.51 AM
591 LaFond Ave	380	1/24/2012	17:00	2	BACK STAIR	B	WINDOW SASH	WOOD	POOR	BEIGE	POS	8.2	8.6	8.2	1.87	3.05 AM
591 LaFond Ave	381	1/24/2012	17:00	2	BACK STAIR	A	WALL	WOOD	POOR	WHITE	POS	9	<LOD	9	1.86	10 AM
591 LaFond Ave	382	1/24/2012	17:00	2	BACK STAIR	B	WALL	WOOD	POOR	WHITE	Null	<LOD	<LOD	<LOD	0.57	4.22 AM
591 LaFond Ave	383	1/24/2012	17:01	2	BACK STAIR	B	WALL	WOOD	POOR	WHITE	POS	10.4	9.7	10.4	1.72	4.87 AM
591 LaFond Ave	384	1/24/2012	17:01	2	BACK STAIR	C	WALL	WOOD	POOR	WHITE	POS	11.4	10.1	11.4	1.72	4.32 AM
591 LaFond Ave	385	1/24/2012	17:01	2	BACK STAIR	D	WALL	WOOD	POOR	WHITE	POS	9.2	8.3	9.2	1.86	6.99 AM
591 LaFond Ave	386	1/24/2012	17:02	2	BACK STAIR		CEILING	PLASTER	POOR	WHITE	POS	10	8.4	10	1.87	6.53 AM
591 LaFond Ave	387	1/24/2012	17:04	2	FRONT STAIR		CEILING	PLASTER	POOR	WHITE	Neg	<LOD	<LOD	<LOD	2.59	3.53 AM
591 LaFond Ave	388	1/24/2012	17:05	2	FRONT STAIR	A	WALL	WOOD	POOR	WHITE	Neg	<LOD	<LOD	<LOD	2.29	1 AM
591 LaFond Ave	389	1/24/2012	17:05	2	FRONT STAIR	B	WALL	WOOD	POOR	WHITE	Neg	0.22	0.22	<LOD	3.16	3.7 AM
591 LaFond Ave	390	1/24/2012	17:06	2	FRONT STAIR	C	WALL	WOOD	POOR	WHITE	Neg	<LOD	<LOD	<LOD	3.87	3.17 AM
591 LaFond Ave	391	1/24/2012	17:06	2	FRONT STAIR	D	WALL	WOOD	POOR	WHITE	Neg	<LOD	<LOD	<LOD	2.59	2.34 AM
591 LaFond Ave	392	1/24/2012	17:07	2	FRONT STAIR	A	DOOR	METAL	INTACT	WHITE	Neg	<LOD	<LOD	<LOD	2.15	1 AM
591 LaFond Ave	393	1/24/2012	17:08	2	FRONT STAIR	A	DOOR CASING	WOOD	INTACT	VARNISH	Neg	<LOD	<LOD	<LOD	2.15	1 AM
591 LaFond Ave	394	1/24/2012	17:08	2	FRONT STAIR	A	FLOOR	WOOD	POOR	RED	Neg	<LOD	<LOD	<LOD	2.16	2.74 AM
591 LaFond Ave	395	1/24/2012	17:08	2	FRONT STAIR	A	BASEBOARD	WOOD	POOR	RED	Neg	<LOD	<LOD	<LOD	2.59	3.57 AM
591 LaFond Ave	396	1/24/2012	17:09	2	FRONT STAIR	B	BASEBOARD	WOOD	POOR	RED	POS	12.9	10.1	12.9	1.57	4.35 AM
591 LaFond Ave	397	1/24/2012	17:09	2	FRONT STAIR		TREAD	WOOD	POOR	RED	POS	8	8.4	8	1.58	2.94 AM
591 LaFond Ave	398	1/24/2012	17:09	2	FRONT STAIR	C	RISER	WOOD	POOR	RED	POS	9.8	8.1	9.8	1.43	2.45 AM
591 LaFond Ave	399	1/24/2012	17:10	2	FRONT STAIR	D	HAND RAIL	WOOD	POOR	WHITE	Neg	<LOD	<LOD	<LOD	3.15	2.67 AM
591 LaFond Ave	400	1/24/2012	17:10	2	FRONT STAIR	D	CORNICE	WOOD	POOR	WHITE	POS	11.9	9.3	11.9	1.58	3.89 AM
591 LaFond Ave	401	1/24/2012	17:11	2	FRONT STAIR	B	WINDOW CASING	WOOD	POOR	BROWN	POS	28	2.8	3	2.16	3.48 AM
591 LaFond Ave	402	1/24/2012	17:11	2	FRONT STAIR	B	WINDOW SASH	WOOD	POOR	WHITE	POS	2.3	2.3	2.7	2.3	2.98 AM
591 LaFond Ave	403	1/24/2012	17:12	2	FRONT STAIR	B	Window Part-Bead	WOOD	POOR	WHITE	POS	4.5	4.5	5.1	1.72	3.31 AM
591 LaFond Ave	404	1/24/2012	17:13	2	FRONT STAIR	C	CORNICE	WOOD	POOR	WHITE	POS	5.3	6.7	5.3	3.44	8.14 AM
591 LaFond Ave	405	1/24/2012	17:15	2	HALL	UNIT 2	CEILING	PLASTER	POOR	WHITE	Neg	<LOD	<LOD	<LOD	3.01	3.06 AM
591 LaFond Ave	406	1/24/2012	17:15	2	HALL	UNIT 2	attic dr	WOOD	POOR	WHITE	POS	11.1	10.1	11.1	1.43	1.85 AM
591 LaFond Ave	407	1/24/2012	17:15	2	HALL	UNIT 2	Attic-dr casing	WOOD	POOR	WHITE	POS	14.8	10.1	14.8	1.58	2.41 AM
591 LaFond Ave	408	1/24/2012	17:16	2	HALL	UNIT 2	DOOR threshold	WOOD	POOR	varnish	Neg	<LOD	<LOD	<LOD	2.01	1.04 AM

St. Croix Environmental
591 LaFond Avenue
St. Paul MN

Site	Unit	Room	Room	Sub-Component	Sub-Item	Con. Type	Color	Result	PDC	Pb	PbK	Duration	Depth	Temp						
									< LOD	< LOD	< LOD		2.16	1.53	AM					
591 LaFond Ave	409	1/24/2012	17:17	2	HALL	UNIT 2	D	FLOOR	WOOD	POOR	RED	WHIE	POS	Neg						
591 LaFond Ave	410	1/24/2012	17:17	2	HALL	UNIT 2	D	BASEBOARD	WOOD	POOR		WOOD	POS	POS	10.2	10.1	10.2	1.58	2.96	AM
591 LaFond Ave	411	1/24/2012	17:17	2	HALL	UNIT 2	D	DOOR	WOOD	POOR		WOOD	POS	POS	9.1	10.1	9.1	1.72	2.41	AM
591 LaFond Ave	412	1/24/2012	17:18	2	HALL	UNIT 2	D	DGOR casing	WOOD	POOR		WOOD	POS	POS	9.7	10.1	9.7	1.43	2.22	AM
591 LaFond Ave	413	1/24/2012	17:18	2	HALL	UNIT 2	A	CLOSET dr	WOOD	POOR		WOOD	POS	POS	8	9.6	8	1.57	2.29	AM
591 LaFond Ave	414	1/24/2012	17:19	2	HALL	UNIT 2	A	CLOSET dr jamb	WOOD	POOR		WOOD	POS	POS	9.3	9.4	9.3	2.45	2.26	AM
591 LaFond Ave	415	1/24/2012	17:19	2	HALL	UNIT 2	A	Cist Shelf Support	WOOD	POOR		WOOD	WHITE	Neg	< LOD	< LOD	< LOD	3.15	1.04	AM
591 LaFond Ave	416	1/24/2012	17:20	2	HALL	UNIT 2	A	CLOSET wall	PLASTER	POOR		PLASTER	WHITE	Neg	0.13	0.13	< LOD	3.01	1.66	AM
591 LaFond Ave	417	1/24/2012	17:21	2	HALL	UNIT 2	A	CLOSET wall	PLASTER	POOR		PLASTER	WHITE	Neg	< LOD	< LOD	< LOD	2.3	1.68	AM
591 LaFond Ave	418	1/24/2012	17:22	2	BEDROOM 1	UNIT 2	B	DOOR	WOOD	POOR		WOOD	BROWN	POS	14.1	10.1	14.1	1.58	1.78	AM
591 LaFond Ave	419	1/24/2012	17:22	2	BEDROOM 1	UNIT 2	B	DOOR casing	WOOD	POOR		WOOD	BROWN	POS	9.1	10.1	9.1	1.58	1.68	AM
591 LaFond Ave	420	1/24/2012	17:22	2	BEDROOM 1	UNIT 2	B	BASEBOARD	WOOD	POOR		WOOD	BROWN	POS	9.1	10.1	9.1	1.43	1.62	AM
591 LaFond Ave	421	1/24/2012	17:23	2	BEDROOM 1	UNIT 2	A	WINDOW casing	WOOD	POOR		WOOD	BROWN	POS	9.7	10.1	9.7	1.72	1.84	AM
591 LaFond Ave	422	1/24/2012	17:23	2	BEDROOM 1	UNIT 2	A	WINDOW sash	WOOD	POOR		WOOD	WHITE	Null	< LOD	< LOD	< LOD	0.57	1.21	AM
591 LaFond Ave	423	1/24/2012	17:24	2	BEDROOM 1	UNIT 2	A	WINDOW sash	WOOD	POOR		WOOD	WHITE	Null	< LOD	< LOD	< LOD	0.86	3.72	AM
591 LaFond Ave	424	1/24/2012	17:24	2	BEDROOM 1	UNIT 2	A	WINDOW sash	WOOD	POOR		WOOD	WHITE	POS	6.3	6.3	6.3	1.44	2.34	AM
591 LaFond Ave	425	1/24/2012	17:24	2	BEDROOM 1	UNIT 2	A	WINDOW trough	WOOD	POOR		WOOD	WHITE	POS	8.6	9	8.6	1.43	1.74	AM
591 LaFond Ave	426	1/24/2012	17:25	2	BEDROOM 1	UNIT 2	A	RADIATOR	METAL	POOR		METAL	grey	Neg	< LOD	< LOD	< LOD	2.29	1	AM
591 LaFond Ave	427	1/24/2012	17:25	2	BEDROOM 1	UNIT 2		FLOOR	WOOD	POOR		WOOD	varnish	Neg	< LOD	< LOD	< LOD	2.29	1.26	AM
591 LaFond Ave	428	1/24/2012	17:26	2	BEDROOM 1	UNIT 2	C	DOOR	WOOD	POOR		WOOD	varnish	Neg	< LOD	< LOD	< LOD	2.3	1.31	AM
591 LaFond Ave	429	1/24/2012	17:26	2	BEDROOM 1	UNIT 2	C	DOOR	WOOD	POOR		WOOD	varnish	Neg	< LOD	< LOD	< LOD	2.16	1	AM
591 LaFond Ave	430	1/24/2012	17:27	2	BEDROOM 1	UNIT 2	B	CLOSET dr	WOOD	POOR		WOOD	varnish	Neg	< LOD	< LOD	< LOD	2.29	3.16	AM
591 LaFond Ave	431	1/24/2012	17:27	2	BEDROOM 1	UNIT 2	B	CLOSET dr casing	WOOD	POOR		WOOD	varnish	Neg	< LOD	< LOD	< LOD	2.57	3.21	AM
591 LaFond Ave	432	1/24/2012	17:28	2	BEDROOM 1	UNIT 2	B	CLOSET dr shelf	WOOD	POOR		WOOD	varnish	Neg	< LOD	< LOD	< LOD	2.15	1	AM
591 LaFond Ave	433	1/24/2012	17:28	2	BEDROOM 1	UNIT 2	B	CLOSET wall	PLASTER	POOR		PLASTER	TAN	Neg	< LOD	< LOD	< LOD	2.58	1.69	AM
591 LaFond Ave	434	1/24/2012	17:29	2	BEDROOM 1	UNIT 2	A	WALL	PLASTER	POOR		PLASTER	WHITE	Neg	< LOD	< LOD	< LOD	2.44	1.77	AM
591 LaFond Ave	435	1/24/2012	17:29	2	BEDROOM 1	UNIT 2	B	WALL	PLASTER	POOR		PLASTER	WHITE	Neg	< LOD	< LOD	< LOD	2.58	1.09	AM
591 LaFond Ave	436	1/24/2012	17:30	2	BEDROOM 1	UNIT 2	C	WALL	PLASTER	POOR		PLASTER	WHITE	Neg	< LOD	< LOD	< LOD	2.57	2.99	AM
591 LaFond Ave	437	1/24/2012	17:30	2	BEDROOM 1	UNIT 2	D	WALL	PLASTER	POOR		PLASTER	WHITE	Neg	< LOD	< LOD	< LOD	2.71	1.71	AM
591 LaFond Ave	438	1/24/2012	17:31	2	BEDROOM 1	UNIT 2		CEILING	tile	POOR		tile	WHITE	Neg	< LOD	< LOD	< LOD	2.44	1	AM
591 LaFond Ave	439	1/24/2012	17:31	2	LIVING ROOM	UNIT 2		CEILING	tile	POOR		tile	WHITE	Neg	< LOD	< LOD	< LOD	2	2.76	AM
591 LaFond Ave	440	1/24/2012	17:32	2	LIVING ROOM	UNIT 2	D	RADIATOR	METAL	POOR		METAL	grey	Neg	< LOD	< LOD	< LOD	2.44	1.31	AM
591 LaFond Ave	441	1/24/2012	17:32	2	LIVING ROOM	UNIT 2	A	DOOR	WOOD	POOR		WOOD	BROWN	POS	8.8	10	8.8	1.72	1.65	AM
591 LaFond Ave	442	1/24/2012	17:33	2	LIVING ROOM	UNIT 2	A	DOOR casing	WOOD	POOR		WOOD	BROWN	POS	8.5	9.2	8.5	2.45	1.73	AM
591 LaFond Ave	443	1/24/2012	17:34	2	LIVING ROOM	UNIT 2	A	cornice	WOOD	POOR		WOOD	BROWN	POS	6.6	5.2	6.6	1.43	1.57	AM
591 LaFond Ave	444	1/24/2012	17:34	2	LIVING ROOM	UNIT 2	A	BASEBOARD	WOOD	POOR		WOOD	BROWN	POS	9.2	9.8	9.2	1.44	1.72	AM
591 LaFond Ave	445	1/24/2012	17:35	2	LIVING ROOM	UNIT 2	D	WINDOW casing	WOOD	POOR		WOOD	BROWN	POS	10.6	10.1	10.6	1.72	2.4	AM
591 LaFond Ave	446	1/24/2012	17:35	2	LIVING ROOM	UNIT 2	D	WINDOW sash	WOOD	POOR		WOOD	WHITE	POS	5.2	5	5.2	1.58	3.03	AM
591 LaFond Ave	447	1/24/2012	17:36	2	LIVING ROOM	UNIT 2	D	WINDOW trough	WOOD	POOR		WOOD	WHITE	POS	4.4	4.4	4.8	1.58	2.77	AM
591 LaFond Ave	448	1/24/2012	17:36	2	LIVING ROOM	UNIT 2	A	WALL	PLASTER	POOR		PLASTER	WHITE	Neg	< LOD	< LOD	< LOD	2.72	2.23	AM

Site	Unit	Date/Time	Floor	Room	Unit	Side	Component	Substrate	Condition	Color	Results	PbC	Pb	PbK	Duration	Depth
591 LaFond Ave	449	1/24/2012 17:37	2	LIVING ROOM	UNIT 2 B		WALL	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	< LOD	3.3	1.93 AM
591 LaFond Ave	450	1/24/2012 17:37	2	LIVING ROOM	UNIT 2 C		WALL	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.87	2.71 AM
591 LaFond Ave	451	1/24/2012 17:37	2	LIVING ROOM	UNIT 2 D		WALL	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	< LOD	3.16	1 AM
591 LaFond Ave	452	1/24/2012 17:38	2	BEDROOM 2	UNIT 2 A		WALL	PLASTER	POOR	WHITE	POS	17.8	< LOD	17.8	1.73	9.06 AM
591 LaFond Ave	453	1/24/2012 17:38	2	BEDROOM 2	UNIT 2 B		WALL	PLASTER	POOR	WHITE	POS	16.5	< LOD	16.5	1.57	9.46 AM
591 LaFond Ave	454	1/24/2012 17:39	2	BEDROOM 2	UNIT 2 C		WALL	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.3	4.97 AM
591 LaFond Ave	455	1/24/2012 17:39	2	BEDROOM 2	UNIT 2 D		WALL	PLASTER	POOR	WHITE	POS	18.3	< LOD	18.8	1.57	9.11 AM
591 LaFond Ave	456	1/24/2012 17:39	2	BEDROOM 2	UNIT 2 C		CLOSET wall	PLASTER	POOR	WHITE	POS	17.2	< LOD	17.2	1.57	5.05 AM
591 LaFond Ave	457	1/24/2012 17:40	2	BEDROOM 2	UNIT 2 C		CLOSET dr	WOOD	POOR	WHITE	POS	14.8	< LOD	14.8	1.72	3.72 AM
591 LaFond Ave	458	1/24/2012 17:41	2	BEDROOM 2	UNIT 2 C		Cist Shelf Support	WOOD	POOR	varnish	POS	2.2	< LOD	2.2	4.02	10 AM
591 LaFond Ave	459	1/24/2012 17:41	2	BEDROOM 2	UNIT 2 D		DOOR	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.3	1 AM
591 LaFond Ave	460	1/24/2012 17:42	2	BEDROOM 2	UNIT 2 B		molding	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	3.02	3.95 AM
591 LaFond Ave	461	1/24/2012 17:42	2	BEDROOM 2	UNIT 2		CEILING	PLASTER	POOR	WHITE	POS	22.5	7	22.5	2.43	10 AM
591 LaFond Ave	462	1/24/2012 17:44	2	KITCHEN	UNIT 2		CEILING	press fib	POOR	WHITE	POS	1.4	< LOD	1.4	9.2	10 AM
591 LaFond Ave	463	1/24/2012 17:44	2	KITCHEN	UNIT 2 A		WALL	PLASTER	POOR	WHITE	POS	25.5	4.4	25.5	2.43	10 AM
591 LaFond Ave	464	1/24/2012 17:45	2	KITCHEN	UNIT 2 B		WALL	PLASTER	POOR	WHITE	POS	23.3	< LOD	23.3	1.57	10 AM
591 LaFond Ave	465	1/24/2012 17:45	2	KITCHEN	UNIT 2 C		WALL	PLASTER	POOR	WHITE	POS	22.8	< LOD	22.8	0.57	10 AM
591 LaFond Ave	466	1/24/2012 17:45	2	KITCHEN	UNIT 2 C		WALL	PLASTER	POOR	WHITE	POS	21.1	< LOD	21.1	1.58	10 AM
591 LaFond Ave	467	1/24/2012 17:45	2	KITCHEN	UNIT 2 D		WALL	PLASTER	POOR	WHITE	POS	21.8	5.3	21.8	2.57	10 AM
591 LaFond Ave	468	1/24/2012 17:46	2	KITCHEN	UNIT 2 D		BASEBOARD heat	METAL	POOR	grey	Neg	< LOD	< LOD	< LOD	2.15	1 AM
591 LaFond Ave	469	1/24/2012 17:46	2	KITCHEN	UNIT 2		FLOOR	vinyl	POOR	GREEN	Neg	< LOD	< LOD	< LOD	2.15	2.32 AM
591 LaFond Ave	470	1/24/2012 17:47	2	KITCHEN	UNIT 2 B		CLOSET wall	PLASTER	POOR	WHITE	POS	13.3	< LOD	13.3	1.86	10 AM
591 LaFond Ave	471	1/24/2012 17:48	2	KITCHEN	UNIT 2 B		CLOSET shelf	WOOD	POOR	BLUE	Neg	< LOD	< LOD	< LOD	2.28	1.72 AM
591 LaFond Ave	472	1/24/2012 17:48	2	KITCHEN	UNIT 2 B		CLOSET shelf	WOOD	POOR	WHITE	POS	17	7.9	17	1.86	10 AM
591 LaFond Ave	473	1/24/2012 17:49	2	BATHROOM	UNIT 2 B		BASEBOARD heat	METAL	POOR	RED	Neg	< LOD	< LOD	< LOD	2.29	1.78 AM
591 LaFond Ave	474	1/24/2012 17:49	2	BATHROOM	UNIT 2 A		tub	METAL	POOR	WHITE	POS	29	5.9	29	2.44	2.01 AM
591 LaFond Ave	475	1/24/2012 17:50	2	BATHROOM	UNIT 2 A		FLOOR	vinyl	POOR	WHITE	Neg	< LOD	< LOD	< LOD	3.02	1.46 AM
591 LaFond Ave	476	1/24/2012 17:51	2	BATHROOM	UNIT 2		CEILING	press fib	POOR	WHITE	Null	1.1	< LOD	1.1	7.17	10 AM
591 LaFond Ave	477	1/24/2012 17:51	2	BATHROOM	UNIT 2		CEILING	press fib	POOR	WHITE	Null	< LOD	< LOD	< LOD	1.85	7.51 AM
591 LaFond Ave	478	1/24/2012 17:51	2	BATHROOM	UNIT 2		CEILING	press fib	POOR	WHITE	POS	15.5	6.6	15.5	1.72	10 AM
591 LaFond Ave	479	1/24/2012 17:52	2	BATHROOM	UNIT 2 A		WALL	PLASTER	POOR	WHITE	POS	16.3	< LOD	16.3	1.57	10 AM
591 LaFond Ave	480	1/24/2012 17:52	2	BATHROOM	UNIT 2 B		WALL	PLASTER	POOR	WHITE	POS	5.7	< LOD	5.7	2.29	10 AM
591 LaFond Ave	481	1/24/2012 17:52	2	BATHROOM	UNIT 2 C		WALL	PLASTER	POOR	WHITE	POS	16.1	7.4	16.1	1.58	10 AM
591 LaFond Ave	482	1/24/2012 17:53	2	BATHROOM	UNIT 2 D		WALL	PLASTER	POOR	WHITE	POS	16.9	< LOD	16.9	1.58	10 AM
591 LaFond Ave	483	1/24/2012 17:55		OUTSIDE	A		WINDOW	WOOD	POOR	TAN	POS	8.2	7.7	8.2	1.72	3.03 AM
591 LaFond Ave	484	1/24/2012 17:55		OUTSIDE	A		WINDOW	WOOD	POOR	TAN	Null	0.8	0.8	< LOD	1.58	2.58 AM
591 LaFond Ave	485	1/24/2012 17:56		OUTSIDE	A		WINDOW	WOOD	POOR	TAN	POS	11	< LOD	11	1.72	10 AM
591 LaFond Ave	486	1/24/2012 17:56		OUTSIDE	A		soffit	WOOD	POOR	TAN	POS	11.9	< LOD	11.9	1.72	10 AM
591 LaFond Ave	487	1/24/2012 17:56		OUTSIDE	A		TRIM	WOOD	POOR	TAN	POS	9.7	2.9	9.7	1.72	10 AM
591 LaFond Ave	488	1/24/2012 17:57		OUTSIDE	B		WINDOW	WOOD	POOR	TAN	POS	15.2	10.1	15.2	1.72	3.25 AM

St. Croix Environmental
591 LaFond Avenue
St. Paul MN

Site	Unit	Date/Time	Room	Unit	Side	Component	Substrate	Condition	Color	Results	PbC	PbT	PbC	PbT	Duration	Depth	ASP
591 LaFond Ave	489	1/24/2012 17:57	OUTSIDE		B	foundation	CONCRETE	POOR	grey	Neg	< LOD	< LOD	< LOD	< LOD	3.16	4.34	AM
591 LaFond Ave	490	1/24/2012 17:58	OUTSIDE		B	Drip-board	WOOD	POOR	grey	POS	37.8	6.4	37.8	2.29	6.17	AM	
591 LaFond Ave	491	1/24/2012 17:58	OUTSIDE		B	siding	WOOD	POOR	TAN	Null	< LOD	< LOD	< LOD	0.57	1.17	AM	
591 LaFond Ave	492	1/24/2012 17:59	OUTSIDE		B	siding	WOOD	POOR	TAN	POS	2.1	< LOD	2.1	5.71	1.65	AM	
591 LaFond Ave	493	1/24/2012 17:59	OUTSIDE		A	siding	WOOD	POOR	TAN	Neg	< LOD	< LOD	< LOD	3.01	1.11	AM	
591 LaFond Ave	494	1/24/2012 18:00	OUTSIDE		D	siding	WOOD	POOR	TAN	POS	2.3	< LOD	2.3	4.3	1.62	AM	
591 LaFond Ave	495	1/24/2012 18:00	OUTSIDE		C	siding	WOOD	POOR	TAN	POS	5.5	< LOD	5.5	2.3	1.16	AM	
591 LaFond Ave	496	1/24/2012 18:01	OUTSIDE		D	WINDOW	WOOD	POOR	TAN	POS	4.1	< LOD	4.1	2.72	4.73	AM	
591 LaFond Ave	497	1/24/2012 18:01	OUTSIDE		D	WINDOW	WOOD	POOR	TAN	POS	4.4	< LOD	4.4	2.29	5.01	AM	
591 LaFond Ave	498	1/24/2012 18:02	OUTSIDE		C	siding	WOOD	POOR	TAN	POS	4.1	< LOD	4.1	2.3	1.0	AM	
591 LaFond Ave	499	1/24/2012 18:03	OUTSIDE		C	foundation	CONCRETE	POOR	grey	Neg	0.1	0.1	< LOD	3.16	2.52	AM	
591 LaFond Ave	500	1/24/2012 18:04	GARAGE		A	siding	WOOD	POOR	grey	Neg	< LOD	< LOD	< LOD	2.14	1	AM	
591 LaFond Ave	501	1/24/2012 18:04	GARAGE		B	siding	WOOD	POOR	grey	Neg	< LOD	< LOD	< LOD	2.16	1	AM	
591 LaFond Ave	502	1/24/2012 18:04	GARAGE		C	siding	WOOD	POOR	grey	Neg	< LOD	< LOD	< LOD	2.29	1	AM	
591 LaFond Ave	503	1/24/2012 18:05	GARAGE		C	DOOR	WOOD	POOR	grey	Neg	< LOD	< LOD	< LOD	2.01	1	AM	
591 LaFond Ave	504	1/24/2012 18:05	GARAGE		C	DOOR	WOOD	POOR	grey	Neg	< LOD	< LOD	< LOD	3.15	1.01	AM	
591 LaFond Ave	505	1/24/2012 18:06	GARAGE		B	DOOR	WOOD	POOR	grey	Neg	< LOD	< LOD	< LOD	2	1	AM	
591 LaFond Ave	506	1/24/2012 18:06	GARAGE		B	soffit	WOOD	POOR	grey	Neg	< LOD	< LOD	< LOD	3.15	1	AM	
591 LaFond Ave	507	1/24/2012 18:07	GARAGE		B	WINDOW	WOOD	POOR	RED	Neg	0.5	0.5	< LOD	2.15	1.45	AM	
591 LaFond Ave	508	1/24/2012 18:09				calibrate				Neg	0.9	0.9	< LOD	14.51	1.08	AM	
591 LaFond Ave	509	1/24/2012 18:10				calibrate				Neg	0.9	0.9	< LOD	10.21	1.09	AM	
591 LaFond Ave	510	1/24/2012 18:11				calibrate				Neg	0.9	0.9	< LOD	5.45	1.02	AM	

03/16/12 ACTIVATED CHARCOAL RADON TEST #5981910

Radon Test Result: $< 0.3 \pm 0.1$ pCi/L

Test Started 03/08/12 at 8:00 am

Test Ended 03/13/12 at 10:00 am

Closed house conditions maintained during test.

Location Basement

|||||
CITY OF ST PAUL HRA

591 LAFOND AVE
SAINT PAUL, MN 55102

INTERPRETING YOUR TEST RESULT

The US EPA action level for indoor radon is 4.0 pCi/L. Test results in this range (0.5 pCi/L or less) are, for all practical purposes, equivalent to the radon levels found in fresh air. However, if you make any structural changes or start to use a lower level of the building more frequently you should test again.

You may be able to obtain additional information about radon related subjects by calling your **state radon officer at 800-798-9050**. Or call the "Radon Fix-It Line" at 800-644-6999 Monday thru Friday between NOON and 8 pm EST

This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis computations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, time from the end of test, and the amount of radiation measured. If ALL the test instructions were carefully followed, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the time indicated on the test packet.

READ THIS FIRST

This result has been rounded to one-tenth (0.1) of a pCi/L (picoCurie per liter), the most common method of reporting radon in air.

NEXT...PLEASE...READ

everything under the heading

INTERPRETING YOUR TEST RESULT

Your health risk

The primary health risk from long-term exposure to radon is lung cancer. The risk of developing a lung cancer from radon exposure depends both on how much radon is present and how long you are exposed to radon. The higher the radon level or the longer the time of exposure, even if the levels are relatively low, the greater the risk. Exposures up to 4 pCi/L may present some risk of contracting lung cancer to more sensitive occupants, especially children. Recently the US Congress set as a goal the lowering of radon levels in buildings to equal the levels of outside air.

What is a picoCurie

For those interested in the numbers, a picoCurie is 0.000,000,000,001 (one-trillionth) of a Curie, an international measurement unit of radioactivity. One pCi/L means that in one liter of air there will be 2.2 radioactive disintegrations each minute. For example, at 4 pCi/L there will be approximately 12,672 radioactive disintegrations in one liter of air, during a 24-hour period.

Conducting Follow-up Measurements

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 90 to 365 days. Your first test (initial/screening) should be a short-term 'worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

* Your state has designated a radon officer to assist citizens with questions on radon. Most offer free information on radon and radon reduction techniques, and most keep a list of qualified radon testing and mitigation businesses. Your radon officer can also provide the phone number of your regional USEPA office.

Conducting Follow-up Measurements

The higher your initial (screening) tests, the sooner you should conduct follow-up measurements. The EPA states that you should retest the same location that was tested initially. **For additional or follow-up testing,** make sure at least one test is conducted in the **lowest lived-in level** of the home. Also choose regularly used rooms, such as family rooms, dens, playrooms, or bedrooms. A bedroom on the lower level may be a good choice, because people generally spend the most time in their bedrooms (approximately one-third of the year). If there are children, it may be appropriate to test their rooms or other areas where they spend a lot of time, especially at the lower levels. All short-term follow-up tests **must** be conducted under closed-building conditions. If closed-building conditions cannot be maintained, a long-term measurement conducted under normal living conditions could be used to help estimate average annual exposures.

Tests **should not be conducted** in a kitchen or a bathroom because high humidity, exhaust fans, and other factors can adversely affect the test results. Tests **should not be conducted** in storage areas or laundry rooms, because relatively little time is spent there. Although radon in water may be a contributor to the concentration of airborne radon, radon in air should be **confirmed** before a test for radon in water is performed.

It is recommended that before spending any time or money on radon mitigation, one should conduct multiple (three or more) tests to be certain there is a need. A few more tests will most certainly cost considerably less than any mitigation work.

If follow-up measurements have **confirmed** that the average annual level of radon is equal to or greater than 4 pCi/L, the USEPA recommends that the building or home be mitigated for radon. Consider also that a future buyer is likely to demand that the building pass a radon test before purchasing.

Variations in Radon Levels: what can affect your test results and why it may be important to conduct confirmation tests.

When tests are performed in different seasons or under different weather conditions, the initial screening and follow-up tests may vary considerably. Radon levels can vary significantly between seasons, so different values **are to be expected**. Even during normal

weather, indoor radon levels may rise and fall by a factor of two on a daily cycle; for example, from 5 pCi/L to 10 pCi/L in 24 hours. During rapidly changing or stormy weather, the levels may change more dramatically. Because continual changes in radon levels are considered the norm, expose the testing device for as long as is practical, while following the manufacturer's recommendations. This, of course, provides a better overall average of the measurement.

If you are comparing tests, or are averaging a series of tests, bear in mind that any radon test returns only the average of the levels present during a **specific period of time** at the **precise location** of the test. Conditions during a different test period or at a different location in the building are **expected to be different**.

Test results can also vary if the radon test instructions were not carefully followed. A laboratory measuring radon in samples taken outside the lab **must rely on the person conducting the test**. For example, the wrong starting or ending date of a test will significantly affect the calculated result. The location of each radon test can also influence the result. For example, a test placed in the blowing air stream of a fan is likely to collect more radon than it would under normal conditions. Also, three tests conducted in one home, but in three different rooms, **would be expected to have at least slightly different test results**.

Test results from a properly used activated charcoal test will more closely reflect the average radon concentrations over the last three to five days of the test period. This happens because the radon collected by the activated charcoal has a radioactive half-life of only four days. This means, for example, over one-half of the radon collected during the first three days of a seven day test 'died' before the test ended. Seven day exposures of activated charcoal test devices are suggested because this allows the charcoal to equilibrate with its environment, averaging out the peaks and valleys that normally occur in real-life radon levels. Also the aspect of user convenience is considered, because most find it easier to remember to end a test on the same day of the week it was started.

If you have further questions regarding this test or need advice on follow-up testing, call fax or write to our technical service department listed below. Thank you for choosing the Air Chek test device.

PERFORMING RADON TESTS FOR A REAL ESTATE TRANSACTION

EPA guidelines recommend that at least two short-term tests should be conducted, either together or sequentially, at the same location in the building. If the average of all the tests is below 4 pCi/L, then no further action is necessary at this time. It is **highly recommended** that any property transaction tests be conducted by a non-interested third party. To locate a listed or certified radon tester, contact your state or regional EPA radon office or visit our website at <http://www.radon.com> to download a list of NEHA-certified testers. Ask for or download publication number EPA 402-K-00-008 Home Buyer's and Seller's Guide to Radon.

Limitation of Liability: While we at Air Chek, Inc. make every effort to maintain the highest possible quality control and include several checks and verification steps in our procedures, we make NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS with respect to any item furnished, information supplied or services rendered you by Air Chek, Inc. Before any action is taken on the basis of test results given to you by Air Chek, Inc. we recommend that further testing be done. Neither Air Chek, Inc., nor any of our employees or agents, shall be liable under any claim, charge, or demand, whether in contract, tort or otherwise, for any and all losses, costs, charges, claims, demands, fees, expenses, injuries or damages (including without limitation INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH ARE EXCLUDED) of any nature or kind arising out of, connected with, resulting from, or sustained as a result of any item furnished, information supplied, or service rendered to you by Air Chek, Inc.

Notice to Pennsylvania Residents: The Radon Certification Act requires that anyone who provides any radon-related service or product to the general public must be certified by the Pennsylvania Department of Environmental Protection. You are entitled to evidence of certification from any person who provides such services or products. You are also entitled to a price list for services or products offered. All radon measurement data will be sent to the Department as required in the Act and will be kept confidential. If you have any questions, comments, or complaints concerning persons who provide radon-related services, please contact the Department of Environmental Protection, P.O. Box 8469, Harrisburg, PA 17105-8469 (717-783-4594).

The radon test kit(s) used for this report is certified by the NEHA-NRPP, Lab ID: 101138, for use in all fifty states. It is also listed or certified for use in all states that have a radon program.

For technical information, call (828) 684-0893. Office hours are Mon-Fri 8:30 to 5:30 EASTERN
You can reach us by Fax at (828) 684-8498 or write to Air Chek, Inc., Box 2000, Naples, NC 28760
Web Site: <http://www.radon.com> **Email to:** info@radon.com

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Tests **should not be conducted** in a kitchen or a bathroom because high humidity, exhaust fans, and other factors can adversely affect the test results. Tests **should not be conducted** in storage areas or laundry rooms, because relatively little time is spent there. Although radon in water may be a contributor to the concentration of airborne radon, radon in air should be **confirmed** before a test for radon in water is performed.

It is recommended that before spending any time or money on radon mitigation, one should conduct multiple (three or more) tests to be certain there is a need. A few more tests will most certainly cost considerably less than any mitigation work.

If follow-up measurements have **confirmed** that the average annual level of radon is equal to or greater than 4 pCi/L, the USEPA recommends that the building or home be mitigated for radon. Consider also that a future buyer is likely to demand that the building pass a radon test before purchasing.

Variations in Radon Levels: what can affect your test results and why it may be important to conduct confirmation tests.

When tests are performed in different seasons or under different weather conditions, the initial screening and follow-up tests may vary considerably. Radon levels can vary significantly between seasons, so different values **are to be expected**. Even during normal

weather, indoor radon levels may rise and fall by a factor of two on a daily cycle; for example, from 5 pCi/L to 10 pCi/L in 24 hours. During rapidly changing or stormy weather, the levels may change more dramatically. Because continual changes in radon levels are considered the norm, expose the testing device for as long as is practical, while following the manufacturer's recommendations. This, of course, provides a better overall average of the measurement.

If you are comparing tests, or are averaging a series of tests, bear in mind that any radon test returns only the average of the levels present during a **specific period of time** at the **precise location** of the test. Conditions during a different test period or at a different location in the building are **expected to be different**.

Test results can also vary if the radon test instructions were not carefully followed. A laboratory measuring radon in samples taken outside the lab **must rely on the person conducting the test**. For example, the wrong starting or ending date of a test will significantly affect the calculated result. The location of each radon test can also influence the result. For example, a test placed in the blowing air stream of a fan is likely to collect more radon than it would under normal conditions. Also, three tests conducted in one home, but in three different rooms, **would be expected to have at least slightly different test results**.

Test results from a properly used activated charcoal test will more closely reflect the average radon concentrations over the last three to five days of the test period. This happens because the radon collected by the activated charcoal has a radioactive half-life of only four days. This means, for example, over one-half of the radon collected during the first three days of a seven day test 'died' before the test ended. Seven day exposures of activated charcoal test devices are suggested because this allows the charcoal to equilibrate with its environment, averaging out the peaks and valleys that normally occur in real-life radon levels. Also the aspect of user convenience is considered, because most find it easier to remember to end a test on the same day of the week it was started.

If you have further questions regarding this test or need advice on follow-up testing, call fax or write to our technical service department listed below. Thank you for choosing the Air Chek test device.

PERFORMING RADON TESTS FOR A REAL ESTATE TRANSACTION

EPA guidelines recommend that at least two short-term tests should be conducted, either together or sequentially, at the same location in the building. If the average of all the tests is below 4 pCi/L, then no further action is necessary at this time. It is **highly recommended** that any property transaction tests be conducted by a non-interested third party. To locate a listed or certified radon tester, contact your state or regional EPA radon office or visit our website at <http://www.radon.com> to download a list of NEHA-certified testers. Ask for or download publication number EPA 402-K-00-008 Home Buyer's and Seller's Guide to Radon.

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Notice to Pennsylvania Residents: The Radon Certification Act requires that anyone who provides any radon-related service or product to the general public must be certified by the Pennsylvania Department of Environmental Protection. You are entitled to evidence of certification from any person who provides such services or products. You are also entitled to a price list for services or products offered. All radon measurement data will be sent to the Department as required in the Act and will be kept confidential. If you have any questions, comments, or complaints concerning persons who provide radon-related services, please contact the Department of Environmental Protection, P.O. Box 8469, Harrisburg, PA 17105-8469 (717-783-4594).

The radon test kit(s) used for this report is certified by the NEHA-NRPP, Lab ID: 101138, for use in all fifty states. It is also listed or certified for use in all states that have a radon program.

For technical information, call (828) 684-0893. Office hours are Mon-Fri 8:30 to 5:30 EASTERN
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